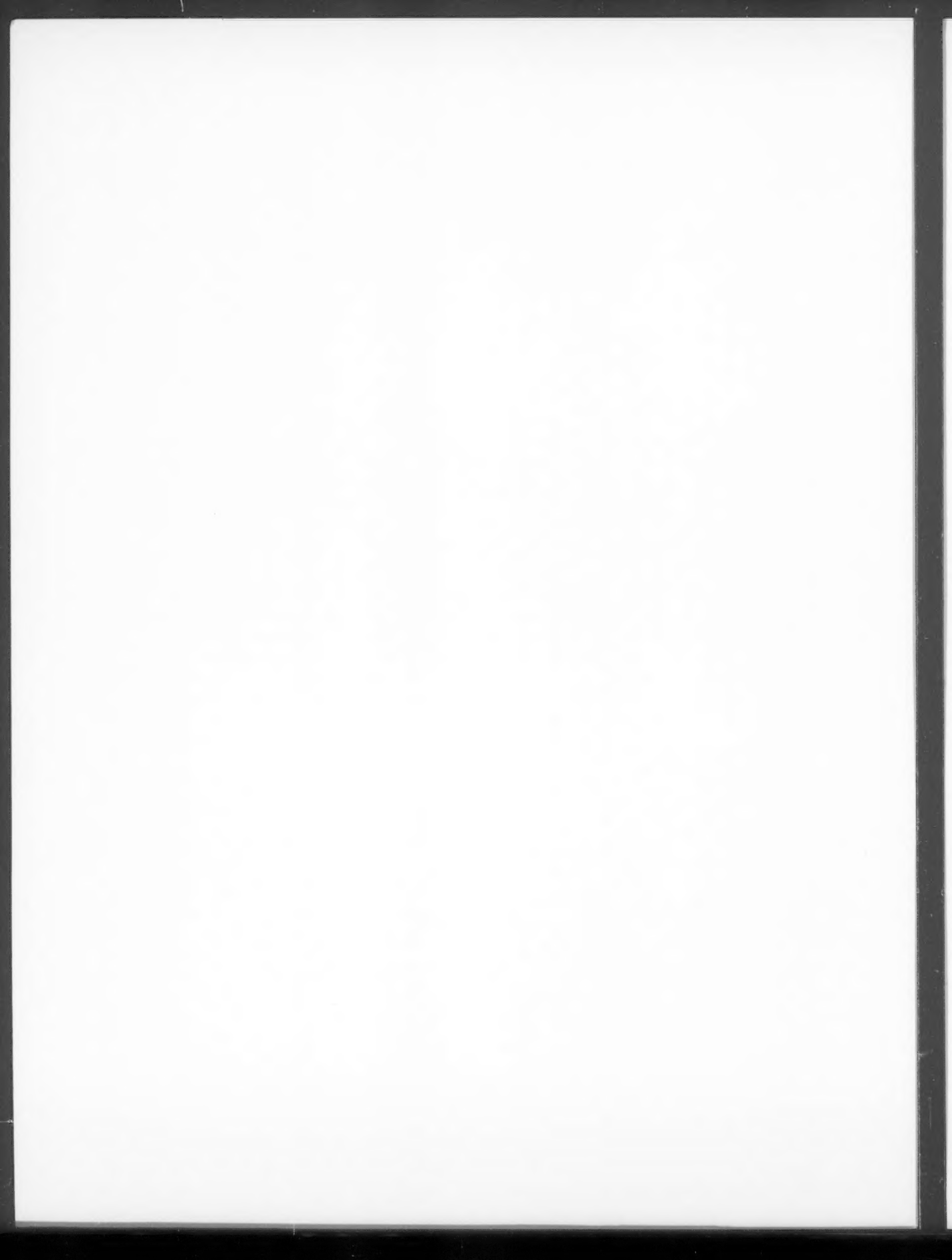


- Adrain, J.M., 1634
Aksu, A.E., 1385
Anastas, A.S., 2453
Anderson, R.R., 1275
Andrews, J.T., 954, 2448
Artist-Downey, M., 145
Asudeh, I., 787
Atkinson, B.T., 2366
Attrep, M., Jr., 1870
Baadsgaard, H., 769
Babaei, A., 1297
Babaie, H.A., 1297
Bai, W.-J., 1650
Bakke, A., 764
Bardoux, M., 1521
Barr, S.M., 1, 1147
Barrett, T.J., 1934
Basham, P.W., 372
Basinger, J.F., 1914
Beaucaire, C., 754
Bédard, L.P., 124
Bédard, P., 1853
Bélanger, M., 2423
Belkabar, A., 1924
Bell, K., 689
Berger, G.W., 1815
Bergeron, M., 1553
Bertrand, J.-M., 1470
Beske-Diehl, S., 1404
Bevier, M.L., 1
Blais, A., 201
Boerboom, T.J., 2510
Bouchard, M.A., 1715
Bower, M., 243
Braman, D.R., 2101
Brandon, A.D., 1076
Brennan, T.A., 928
Brinkman, D., 486
Brinkman, D.B., 2013, 2128, 2139, 2153, 2214
Bruneau, D., 1676
Bruneton, P., 651, 653
Buchan, K.L., 645, 1286, 1886
Budd, D.A., 519
Burg, J.-P., 1110
Burn, C.R., 109
Butler, R.F., 1898, 1981
Cadman, A.C., 1490
Calkin, P.E., 1829
Camiré, G.E., 1110
Campbell, I.A., 1846
Card, K.D., 1286, 1970, 2475
Carlson, R.W., 1141
Carmichael, C.M., 1741
Carter, L.D., 519, 1007
Carter, R.W.G., 1374
Cassard, D., 113
Castaing, C., 113
Castillo, J.H., 2380
Cattalani, S., 1934
Ceman, J.A., 1390
Chabod, J.C., 113
Charbonneau, R., 1697
Charland, A., 132
Chatterjee, A.K., 449
Chatterton, B.D.E., 1634, 1660, 1870
Chenevoy, M., 2423
Childe, F., 1056
Chinn, T.J., 1861
Christiansen, E.A., 420, 1224
Churcher, C.S., 1007
Clague, J.J., 499
Clark, T., 1582
Clarke, D.B., 449, 2295
Clauer, N., 720
Clowes, R.M., 1014, 1427, 1440, 2389
Coniglio, M., 2453
Corfu, F., 1179
Corney, R.E., 1759
Costanzo-Alvarez, V., 2380
Courty, M.-A., 806
Currie, K.L., 1547, 2481
Currie, P.J., 2027, 2037, 2180, 2224, 2231, 2248, 2255
Currie, R.G., 278
David, P.P., 1697
Davis, A.S., 975
Davis, E.E., 278, 480
de Freitas, T.A., 603
Dehler, S.A., 1782
Deino, A.L., 2101
Dereppe, J.-M., 743
de Souza, H., 1123
Dever, L., 806
Dingus, L., 1981
Dixon, J.M., 893
Doherty, W., 1123
Doig, R., 474, 1056
Dong, Z.-M., 1997, 2096, 2107, 2153, 2163, 2174, 2177, 2248
Dostal, J., 2283
Dredge, L.A., 553
Dubessy, J., 743
Duke, N.A., 1566
Dunning, G.R., 2328
Duvall, M.L., 1753
Easterbrook, D.J., 1815
Easton, R.M., 2523
Eberth, D.A., 174, 2101, 2180, 2196
Egeland, A.K., 420
El Hassani, A., 1332
Ellis, R.M., 1014, 1427, 1440, 2389
Embry, A.F., 301
England, J., 1749
Ermanovics, I., 1470
Ernst, R.E., 1886
Fanning, M., 769
Farmer, G.L., 519
Farrar, E., 893
Fleet, M.E., 985
Foit, F.F., Jr., 535
Ford, R.C., 1566
Fox, R.C., 814
Francis, D., 132
Friele, P.A., 832
Fulton, R.J., 232
Fyfe, W.S., 908
Gariépy, C., 1056, 1458
Geary, E.E., 1306
Ghaleb, B., 1730
Ghazi, A.M., 1644
Gibb, R.A., 243
Giles, P.S., 449
Goble, R.J., 1644
Godfrey, S.J., 2255
Goulet, N., 1521
Gower, C.F., 1674
Gradstein, F.M., 391
Grant, D.R., 1242
Gray, J., 1676
Gray, L.-B., 975
Greenough, J.D., 1607
Greenwood, D.R., 1914
Gros, Y., 113
Guilbault, J.-P., 1715
Gulson, B.L., 2366
Gunn, S.H., 975

- Haggart, J.W., 918
 Hajnal, Z., 621
 Hamblin, A.P., 174
 Hanmer, S., 649, 1458
 Harington, C.R., 1242, 1715
 Harlan, S.S., 1415
 Harms, T.A., 1898
 Harris, A.G., 2404
 Harris, C., 1708
 Heaman, L., 1490
 Hein, F.J., 553
 Hendriks, M., 1594
 Héquette, A., 103
 Héroux, Y., 1881
 Hickin, E.J., 841
 Higgins, M.D., 1453
 Hill, P.R., 103
 Hillaire-Marcel, C., 1730
 Hodych, J.P., 645
 Hoepffner, C., 1332
 Hofer, J.W., 1236
 Hole, J.A., 1427, 1440
 Holm, D.K., 913
 Holst, T.B., 913
 Hood, P.J., 243
 Homer, J.R., 997, 1066
 Hoy, L., 1934
 Huang, Z., 391, 1385
 Hubert, C., 1924
 Hughes, O.L., 851
 Hutchinson, I., 832
 Indares, A., 159
 Irish, D.E., 413
 Jamieson, R.A., 1594
 Jansa, L.F., 2495
 Jébrak, M., 1521
 Jenner, G.A., 434
 Jennings, E.A., 1955
 Jennings, S.C., 1374
 Jerzykiewicz, T., 2180
 Johnston, P.A., 2180
 Jowett, E.C., 413, 1028
 Juteau, M., 731
 Kalamarides, R.I., 1141
 Kamo, S.L., 1607
 Kasprzyk, A., 1799
 Kaufman, D.S., 519, 1753
 Keen, C.E., 1782
 Keppie, J.D., 2283
 Kerr, A., 2328
 Kerrich, R., 2334
 King, R., 2334
 Kirkwood, D., 1363
 Kissin, S.A., 1955
 Klaper, E.M., 867
 Knox, L.A., 1618
 Koster, E.H., 2180
 Kristiansen, I.L., 391
 Krogh, T.E., 1490, 1607
 Kuc, M., 954
 Kumarapeli, P.S., 1254
 La Flèche, M.R., 1110
 Lafrance, B., 1549
 Lambert, R.StJ., 1076
 Lancelot, J.R., 720
 Landais, P., 743
 Landing, E., 1618
 Laurent, R., 2283
 Lauriol, B., 1676
 Lee, P.J., 321
 Lentz, D.R., 647
 Lenz, A.C., 491
 Lerbekmo, J.F., 769
 Lewis, T.J., 480
 Lewkowicz, A.G., 1708
 Lewry, J.F., 1338
 Li, H., 1404
 Lian, O.B., 841
 Lightfoot, P.C., 1123
 Lin, S., 1773
 Loncarevic, B.D., 2495
 Long, B.F., 553
 Longerich, H.P., 2352
 Lowe, C., 77
 Ludden, J., 132
 Ludden, J.N., 1110
 Lukosius-Sanders, J., 145
 Lux, D.R., 913
 Lyatsky, H.V., 918
 Macdonald, A.S., 1
 MacDonald, D.L., 2273
 Machado, N., 1458
 Mackay, J.R., 509, 1720
 MacLean, W.H., 1934
 Malo, M., 591, 1363
 Manley, W.F., 1753
 Marlin, C., 806
 Marlow, M.S., 975
 Marquis, R., 1254
 Martel, A.T., 1091
 Mathews, W.H., 499
 Mattison, B.W., 94
 Maxwell, M.G., 109
 Maynard, J.B., 60, 1209
 Mayr, U., 603
 McAndrews, J.H., 2436
 McArthur, J.R., 1955
 McEachern, S., 649
 McEachern, S.J., 1155
 McGowan, C., 1197
 McGregor, D.C., 1091
 McNee, J.J., 1099
 McRoberts, C.A., 819
 McSaveney, M.J., 1861
 Mehringer, P.J., Jr., 535
 Michard, A., 731
 Miller, G.H., 519, 1753
 Miller, R.B., 1306
 Miller, R.R., 647
 Mitchell, R.H., 145
 Mizon, K.J., 2366
 Moisy, M., 113
 Monger, J.W.H., 209
 Moogk-Pickard, S., 145
 Morgan, A.V., 954, 1007
 Morin, D., 1521
 Morley, L.W., 243
 Morris, T.F., 2436
 Morris, W.A., 1741
 Morse, S.A., 1166
 Mortensen, J.K., 11, 29, 42, 1286, 1970
 Mott, R.J., 1242
 Mudie, P.J., 1385
 Mueller, B., 1099
 Muller, E.H., 1829
 Murphy, J.B., 474, 2273
 Murphy, J.M., 764
 Murthy, G., 776
 Mustoe, G.E., 1205
 Nance, R.D., 474
 Naylor, B.G., 814
 Nelson, J.L., 631
 Nesson, L., 2255
 Nesson, L.A., 2214
 Newitt, L.R., 372
 Nicholls, E.L., 486
 Ogg, J.G., 391
 O'Hara, S.L., 1846
 Ohnenstetter, D., 1582
 Ohta, Y., 867
 O'Leary, D.M., 2389
 Orford, J.D., 1374
 Orth, C.J., 1870
 Pacquet, A., 674, 720
 Pagel, M., 651, 731
 Pan, H., 1028
 Pan, Y., 985
 Parrish, R.R., 465, 2305, 2526
 Patey, K.S., 1532
 Pätzold, R., 776
 Pedersen, T.F., 1099
 Pelletier, C.A., 1099

- Peltier, W.R., 881
 Peng, J.-H., 2013, 2128, 2139, 2214, 2224
 Pe-Piper, G., 2495
 Percival, J.B., 689
 Philippe, S., 720, 2315
 Philp, R.P., 743
 Piasecki, M.A.J., 2481
 Pillet, D., 2423
 Piqué, A., 1332
 Platt, R.G., 145
 Potts, S.S., 644
 Prosh, E.C., 2465
 Ranalli, G., 77
 Rappol, M., 201
 Ready, E.E., 243
 Reyx, J., 705
 Ricard, J., 1676
 Richards, D.R., 1898
 Ricker, K.E., 1861
 Rimi, A., 1049
 Robert, F., 1924
 Roberts, W., 1324
 Robinson, P.T., 1650
 Roddick, J.C., 1470
 Rodrigues, C.G., 1390
 Roest, W.R., 261
 Roger, G., 1582
 Rogers, R.R., 1066
 Rohon, M.-L., 1582
 Roscoe, S.M., 2475
 Ruhlmann, F., 651, 705
 Russell, D.A., 2002, 2082, 2101, 2107, 2163
 Ruz, M.-H., 103
 Sager-Kinsman, E.A., 465, 2526
 Sangster, D.F., 1028
 Sauer, E.K., 420, 1224
 Savoy, L.E., 2404
 Sawatzky, P., 243
 Schärer, U., 2315
 Schweger, C.E., 851
 Scott, D.J., 1458
 Séa, F., 1553
 Seifert, K.E., 1275
 Sevigny, J.H., 2305
 Seymour, K.L., 243
 Sharpe, D.R., 928
 Sheppard, J.C., 535
 Sherlock, R.L., 413, 1955
 Shilts, W.W., 201, 333
 Skulski, T., 1505
 Smith, A.D., 48, 1505
 Smith, B.D., 413
 Smith, I.R., 1749
 Solheim, L.P., 881
 Spence, G.D., 787
 Stamatakis, J., 644
 Stanley, G.D., Jr., 819
 St-Antoine, P., 1881
 Starkey, J., 1355
 Stauffer, M.R., 1338
 Stearn, C.W., 575, 1668, 2465
 Stenzel, S.R., 1759
 Stockmal, G.S., 1759
 Storer, J.E., 1613
 Stott, G.M., 1179, 2523
 Stravers, J.A., 1753
 Struik, L.C., 1262
 Suchy, D.R., 575, 1668
 Sutton, S.J., 60, 1209
 Swinden, H.S., 434
 Swisher, C.C. III, 769, 1066, 1981
 Symons, D.T.A., 1028
 Syvitski, J.P.M., 354, 553
 Szabo, J.P., 1236
 Tanguay, M.G., 1553
 Tarney, J., 1490
 Tarnocai, C., 851
 Tate, M.C., 2295
 Teskey, D.J., 243
 Tinkler, K.J., 945
 Torrance, J.K., 689
 Toulhoat, P., 754
 Treves, S.B., 1644
 Trudel, C., 591
 Trudel, P., 1553
 Tucker, R.D., 2328
 Turpin, L., 731
 Utting, J., 1091
 Vachier, P., 806
 Vallières, S., 1730
 van Breemen, O., 1155, 1453
 Vandall, T.A., 1037
 van der Pluijm, B.A., 644
 Van der Voo, R., 644
 Van Kranendonk, M.J., 1470
 Van Schmus, W.R., 1275
 Varricchio, D.J., 997
 Vauchez, A., 1297
 Verhoef, J., 261
 Vialette, Y., 1582
 Vidal, Ph., 1582
 Vilks, G., 1390
 Villinger, H., 480
 Vu, L., 1924
 Waldron, J.W.F., 1759
 Wall, J.H., 94
 Wallin, E.T., 1275
 Wang, K., 1660, 1870
 Wardle, R., 1490
 Wardle, R.J., 2315
 Wares, R.P., 1505
 Weber, F., 674
 Westrop, S.R., 1618
 Wheeler, J.O., 203
 White, C.E., 1
 Whitney, D.L., 1306
 Wiebe, R.A., 1141
 Wijbrans, J.R., 769
 Willett, S.D., 1594
 Williams, H., 1547, 2481
 Williams, P.F., 1324, 1549
 Wilton, D.H.C., 1532, 2352
 Windom, K.E., 1275
 Wong, F.L., 975
 Yu, Y., 1166
 Zartman, R.E., 2510
 Zelt, B.C., 1014
 Zentilli, M., 1594
 Zhao, X.-J., 2027, 2037, 2231
 Zheng, J.-J., 2180
 Zheng, Z., 2082
 Zhou, M.-F., 1650
 Zhu, C., 621



- Abitibi Belt**
Archean 1: 11-28
1: 29-41; 1: 42-47; 9: 1970-1980
geochemistry 7: 1521-1531
gold ores 3: 413-419
9: 1924-1933; 12: 2334-2351
magmas 1: 124-131
metal ores 9: 1934-1954
stratigraphy 9: 1886-1897
Abitibi County Quebec *see* Chibougamau
Quebec; Val d'Or Quebec
- absolute age** *see also* Ar/Ar; C-14; K/Ar;
Pb/Pb; Rb/Sr; Sm/Nd; Th/U; U/Pb; ura-
nium disequilibrium
Ontario, Proterozoic 12: 2523-2527
abyssolith *see* batholiths
- Acadian Phase**
Newfoundland 4: 776-786
orogeny 9: 1759-1772
Quebec, structural geol-
ogy 3: 591-602; 7: 1363-1373
- action, frost *see* frost action
actual age (absolute age) *see* absolute age
- acgririne**
Alberta, petrology 8: 1644-1649
Africa *see* North Africa; West Africa
- aggradation**
Quaternary 4: 841-850
- Agnew Lake Ontario**
sedimentary petrology 6: 1209-1223
- Agnotozoic** *see* Proterozoic
- Aillik Group**
uranium ores 12: 2352-2365
- Alaska** *see also* Arctic Coastal Plain
geochemistry 5: 975-984
gold ores, Fairbanks mining
district 4: 764-768
Quaternary 1: 103-108
Vertebrata 5: 1007-1013
- Alberta** *see also* Banff Formation; Belly
River Formation; Canadian Cordillera;
Canadian Rocky Mountains; Cold Lake;
Judith River Formation; Mannville
Group; Oldman Formation; Palliser For-
mation; Paskapoo Formation; Purcell Sys-
tem
Quaternary, Dinosaur Provin-
cial Park 9: 1846-1852
sedimentary rocks 8: 1660-1667
tectonics 3: 621-630
Vertebrata, Dinosaur Provin-
cial Park 10-11: 2231-2247
- algae**
calcareous algae
Atlantic Ocean 2: 391-411
Indian Ocean 2: 391-411
nannofossils
Atlantic Ocean 2: 391-411
Indian Ocean 2: 391-411
algal flora
nannofossils
Atlantic Ocean 2: 391-411
Indian Ocean 2: 391-411
Algoma District Ontario *see* Blind River On-
tario; Elliot Lake Ontario
- Algonquin Arch**
sedimentary petrology 12: 2453-2464
aliphatic hydrocarbons *see* alkanes
- alkali basalts** *see also* basanite; hawaiite
Labrador, geochemistry 6: 1141-1146
Newfoundland, geochemis-
try 6: 1141-1146
alkali feldspar *see* sanidine
alkaline earth metals *see* calcium; strontium
alkanes *see* methane
- alluvial fans**
Alberta, Quaternary 9: 1846-1852
- Alxa Desert**
Vertebrata 10-11: 2107-2127
- Alxasaurus elesitaiensis**
Vertebrata 10-11: 2107-2127
amargosite *see* bentonite
- Ambystomatidae**
Vertebrata 4: 814-818
- amethyst**
Ontario, non-metal deposits 9: 1955-1969
- ammonoids**
Saskatchewan, geochronol-
ogy 4: 769-775
- Amphibia**
Lissamphibia, Alberta 4: 814-818
amphibole group *see also* clinoamphibole
Ontario, petrology 5: 985-996
amphibolite *see* amphibolites
amphibolite facies
Georgia, structural geology 7: 1297-1305
Washington, structural geol-
ogy 7: 1306-1323
amphibolites
Quebec, geochemistry 6: 1110-1122
- Anahim volcanic belt**
geochemistry 1: 132-144
- analcime**
Alberta, petrology 8: 1644-1649
Anapsida *see* Chelonia
- anatexis**
British Columbia, geochem-
istry 5: 1076-1090
Labrador, Proterozoic 7: 1470-1489
- Newfoundland, Proterozoic 7: 1470-1489
- ancient ice ages**
Yukon Territory, stratigra-
phy 9: 1870-1880
- Anderson Lake**
hydrology 6: 1099-1109
- andesites**
Quebec, metal ores 9: 1934-1954
- anorthosite**
Labrador
geochemistry 6: 1141-1146
Proterozoic 6: 1166-1178
Newfoundland
geochemistry 6: 1141-1146
Proterozoic 6: 1166-1178
Quebec, Proterozoic 7: 1453-1457
Anthozoa *see* Zoantharia
- Antigonish County Nova Scotia**
geochemistry 12: 2273-2282
- Anyox District**
metal ores 1: 48-59
- apatite**
Alaska, gold ores 4: 764-768
Newfoundland, geochronol-
ogy 8: 1594-1606
- Aphebian**
Canada 8: 1582-1593
- Appalachians** *see also* Avalon Terrane
Devonian 12: 2328-2333
geochemistry 3: 449-464
gold ores 7: 1532-1546
natural gas 9: 1881-1885
orogeny 9: 1759-1772
structural geology 3: 591-602; 7: 1363-1373
Piedmont 7: 1297-1305
- Aptian**
China 10-11: 2101-2106
- Ar/Ar**
Canada, stratigraphy 1: 174-200
China, palynomorphs 10-11: 2101-2106
Labrador, Proterozoic 6: 1166-1178
Minnesota, Proterozoic 5: 913-917
Montana
geochronology 5: 1066-1075
paleomagnetism 9: 1981-1996
Newfoundland, Proterozoic 6: 1166-1178
Nova Scotia, geochemistry 3: 449-464
United States, stratigraphy 1: 174-200
- Archean**
Canadian Shield 1: 42-47
Minnesota 12: 2510-2522
Northwest Territories 8: 1566-1581
Ontario 1: 29-41
6: 1179-1196; 12: 2366-2379
Quebec 1: 11-28

¹Prepared from the GeoRef data base at the American Geological Institute, 4220 King Street, Alexandria, VA 22302, U.S.A.

- 1: 29-41; 6: 1110-1122;
9: 1970-1980
- arches**
Ontario, sedimentary petrology 12: 2453-2464
- Archosauria *see* Ornithischia; Saurischia
- arcs, island *see* island arcs
- Arctic Archipelago** 12: 2448-2452
Eocene 9: 1914-1923
Invertebrata 8: 1634-1643
Jurassic 2: 301-320
petrology 4: 867-880
Quaternary 5: 928-944
5: 954-974; 8: 1708-1714; 8: 1749-1758
stratigraphy 3: 491-498; 12: 2465-2474
structural geology 3: 603-620
- Arctic Coastal Plain**
Quaternary 3: 519-534
- Arctic Islands *see* Arctic Archipelago
- Arctic Ocean** *see also* Baffin Bay; ODP Site 645
Jurassic 2: 301-320
Quaternary, Beaufort Sea 1: 103-108; 3: 519-534
- Arctic region** *see also* Svalbard
permafrost 3: 509-518
Quaternary 8: 1720-1729
Arctic Coastal Plain 3: 519-534
Vertebrata 5: 1007-1013
- Arctic Sea *see* Arctic Ocean
- Arctodus simus yukonensis**
Vertebrata 5: 1007-1013
- argon-argon *see* Ar/Ar
- Arizona**
stratigraphy, Gila County Arizona 7: 1415-1426
- Arthropoda *see* Mandibulata; Trilobitomorpha
- arthropods *see* insects; trilobites
- Artiodactyla *see* Ruminantia
- Ashtabula County Ohio**
Quaternary 6: 1236-1241
- Ashtabula Till**
Quaternary 6: 1236-1241
- Asla** *see also* Far East; Himalayas; Uzbekistan
paleomorphs, Gobi Desert 10-11: 2101-2106
petrology, Indus-Yarlung Zangbo suture zone 8: 1650-1659
sedimentation, Gobi Desert 10-11: 2196-2213
Vertebrata, Gobi Desert 10-11: 2224-2230
- Aspy Terrane**
faults 9: 1773-1781
- asymmetric folds**
New Brunswick 7: 1324-1331
- Athabasca District**
metal ores 4: 689-704; 4: 743-753
uranium ores 4: 651-763
4: 653-673; 4: 674-688;
4: 705-719; 4: 720-730;
4: 731-742; 4: 754-763
- Athabasca Formation**
uranium ores 4: 653-673
- Athabasca Basin *see* Athabasca District
- Atlantic Ocean**
Quaternary 8: 1749-1758
Frobisher Bay 3: 553-574; 7: 1390-1403
Gulf of Saint Lawrence 7: 1385-1389
Labrador Sea 2: 391-411
stratigraphy 12: 2495-2509
structural geology 2: 261-277; 9: 1782-1798
tectonophysics 8: 1720-1729
- atmospheric precipitation**
Northwest Territories, Quaternary 8: 1720-1729
- Attawapiskat Formation**
Silurian 3: 575-590
- Attawapiskat River**
structural geology 8: 1668-1673
- Au** *see* gold
- augite**
Alberta, petrology 8: 1644-1649
- Australasia *see* New Zealand
- Avalon Peninsula**
Silurian 8: 1607-1612
- Avalon Terrane**
geochemistry 6: 1147-1154; 12: 2273-2282
Proterozoic 1: 1-10; 3: 474-479
structural geology 12: 2495-2509
- Avalon Zone**
Devonian 12: 2328-2333
Silurian 8: 1607-1612
- Aves**
Neornithes, China 10-11: 2177-2179
- Axel Heiberg Island**
Eocene 9: 1914-1923
- back-arc basins**
faults 9: 1773-1781
- Baculites reesidei Zone**
geochronology 4: 769-775
- baddeleyite**
Newfoundland, Silurian 8: 1607-1612
Ontario, Proterozoic 6: 1286-1296
Proterozoic 7: 1490-1504
Quebec 1: 11-28
Archean gold ores 12: 2334-2351
Proterozoic 6: 1286-1296
- Badenian**
Poland 9: 1799-1814
- Badger Group**
tectonics 12: 2481-2494
- Baffin Bay** 12: 2448-2452
- Baffin Island** 12: 2448-2452
Quaternary 5: 954-974; 8: 1749-1758
- Bagaceratops**
Vertebrata 10-11: 2248-2254
- Bale Verte Peninsula**
gold ores 7: 1532-1546
banded iron formations *see* iron formations
- Banff Formation** 12: 2404-2422
- Barlow Inlet Formation**
Invertebrata 8: 1634-1643
- Barnes Ice cap**
Quaternary 5: 954-974
- barometry, geologic *see* geologic barometry
- basaltic domes *see* shield volcanoes
- basalts** *see also* alkali basalts; tholeiite; tholeiitic basalt
British Columbia, structural geology 3: 631-643
China, paleomorphs 10-11: 2101-2106
Newfoundland, structural geology 12: 2495-2509
Nova Scotia, structural geology 12: 2495-2509
- basanite**
Alaska, geochemistry 5: 975-984
British Columbia, geochemistry 1: 132-144
- base metals**
Ontario 12: 2366-2379
- basins** *see also* back-arc basins; foreland basins
British Columbia
geophysical surveys 7: 1427-1439
metal ores 1: 48-59
petroleum 5: 918-927
structural geology 3: 631-643
tectonophysics 4: 787-805
Canada
petroleum 2: 321-332
stratigraphy 12: 2404-2422
tectonics 3: 621-630
tectonophysics 9: 1782-1798
Morocco, petroleum 5: 1049-1055
Northwest Territories
Jurassic 2: 301-320
structural geology 3: 603-620
Nova Scotia, geochemistry 12: 2273-2282
United States, stratigraphy 12: 2404-2422
- Basswood Lake Intrusion**
geochemistry 6: 1123-1140
- batholiths**
British Columbia
geochemistry 5: 1076-1090
geochronology 12: 2305-2314
Minnesota, geochemistry 12: 2510-2522
Ontario, Archean 6: 1179-1196
- Bathurst Island**
stratigraphy 3: 491-498
- bathymetric maps**
Pacific Ocean, tectonophysics 2: 278-300
- Bayan Mandahu China**
sedimentation 10-11: 2196-2213
stratigraphy 10-11: 2180-2195
Vertebrata 10-11: 2224-2230; 10-11: 2248-2254
- Beaufort Sea**
Quaternary 1: 103-108; 3: 519-534
- bedding plane irregularities *see* dune structures; flute casts; ripple marks
- bedforms**
Ontario, geomorphology 5: 945-953
- Beekmantown Group**
natural gas 9: 1881-1885
- Belly River Formation** 1: 174-200
- belts, fold *see* fold belts
- belts, greenstone *see* greenstone belts
- belts, volcanic *see* volcanic belts
- bentonite**
Montana
geochronology 5: 1066-1075
paleomagnetism 9: 1981-1996

- Saskatchewan, geochronology 4: 769-775
- Bering Sea**
 geochemistry, Navarin Basin 5: 975-984
 Quaternary 3: 519-534
 biogenic structures *see* bioherms; bioturbation
- biogeography** *see also* continental drift
 Canada, stratigraphy 12: 2465-2474
 Far East, Vertebrata 10-11: 2096-2100
 Quebec, Quaternary 8: 1715-1719
 United States, stratigraphy 12: 2465-2474
- bioherms**
 British Columbia, stratigraphy 4: 819-831
- biologic evolution** *see also* cladistics
 Northwest Territories 3: 491-498
- biological zones** *see* biozones
- biometry**
 Alaska, Vertebrata 5: 1007-1013
 Alberta, Vertebrata 10-11: 2255-2272
 British Columbia, Vertebrata 3: 486-490
 China, Vertebrata 10-11: 2027-2036
 10-11: 2107-2127; 10-11: 2153-2162; 10-11: 2163-2173; 10-11: 2177-2179
 New York, Trilobita 8: 1618-1633
 Ontario, Quaternary 12: 2436-2447
 South Dakota, Vertebrata 10-11: 2255-2272
 Uzbekistan, Vertebrata 10-11: 2255-2272
 Vertebrata 8: 1613-1617
- biopelite** *see* black shale
- biostratigraphy** *see* ammonoids; biozones; conodonts; dinoflagellates; foraminifers; graptolites; mammals; miopores; mollusks; nannofossils; paleoecology; palynomorphs; plants; reptiles; stromatoporoids; trilobites
- biotite**
 Georgia, structural geology 7: 1297-1305
 Minnesota, Proterozoic 5: 913-917
 Montana, geochronology 5: 1066-1075
 Saskatchewan, geochronology 4: 769-775
- biotite granite**
 British Columbia
 geochemistry 5: 1076-1090
 geochronology 12: 2305-2314
- bioturbation**
 Ontario 12: 2453-2464
- biozones**
 Atlantic Ocean, stratigraphy 2: 391-411
 Canada, stratigraphy 12: 2465-2474
 Indian Ocean, stratigraphy 2: 391-411
 New York, Trilobita 8: 1618-1633
 Quebec, Quaternary 7: 1390-1403
 Saskatchewan, geochronology 4: 769-775
 United States, stratigraphy 12: 2465-2474
- birds**
 stratigraphy 6: 1205-1208
- Bissekty Formation**
 Vertebrata 10-11: 2214-2223; 10-11: 2255-2272
- bitumens**
 Saskatchewan 4: 743-753
- bituminous sands** *see* oil sands
- black lead** *see* graphite
- black shale**
 Canada, stratigraphy 12: 2404-2422
 United States, stratigraphy 12: 2404-2422
- Blind River Ontario**
 sedimentary petrology 6: 1209-1223
 bloating shale *see* shale
- block structures**
 British Columbia, petroleum 5: 918-927
 Saskatchewan, Quaternary 6: 1224-1235
- Blue Fiord Formation**
 stratigraphy 12: 2465-2474
- blue lead** *see* galena
- body waves** *see* P-waves
- bone beds**
 Montana, Vertebrata 5: 997-1006
- Bonner County Idaho**
 stratigraphy 12: 2404-2422
- Boothia Uplift**
 structural geology 3: 603-620
- Botwood Group**
 stratigraphy 3: 644-646
 tectonics 12: 2481-2494
- boundaries, stratigraphic** *see* stratigraphic boundary
- Boundary County Idaho**
 stratigraphy 12: 2404-2422
- boundstone**
 Ontario, Silurian 3: 575-590
- Bourlamaque Pluton**
 gold ores 9: 1924-1933
- Bovidae**
 Ontario, Quaternary 12: 2436-2447
- Bras d'Or Terrane**
 faults 9: 1773-1781
- breccia**
 British Columbia, structural geology 3: 631-643
 Quebec, magmas 1: 124-131
- brines**
 Ontario 9: 1955-1969
- Brisson Lake**
 petrology 12: 2423-2435
- British Columbia** *see also* Banff Formation; Canadian Cordillera; Canadian Rocky Mountains; Coast Mountains; Hazelton Group; Queen Charlotte Basin; Valhalla Complex; Wrangellia
 geochemistry 1: 132-144
 Omineca Belt 5: 1076-1090
 hydrology 3: 499-508
 Quaternary 9: 1815-1828
 Vancouver Island 4: 832-840
 Vertebrata 3: 486-490
- Britt Granodiorite**
 geochemistry 12: 2510-2522
- Brogger Peninsula**
 Quaternary 4: 806-813
- Bugaboo Batholith**
 geochemistry 5: 1076-1090
- Bugow Deposit**
 gold ores 8: 1566-1581
- burial metamorphism**
 Newfoundland, geochronology 8: 1594-1606
- Burin Peninsula**
 structural geology 12: 2495-2509
- C-13/C-12**
 Arctic region, Quaternary 4: 806-813
 Quebec, natural gas 9: 1881-1885
- Saskatchewan, metal ores** 4: 743-753
- Spitsbergen, Quaternary** 4: 806-813
- Yukon Territory, stratigraphy** 9: 1870-1880
- C-14**
 Alaska
 Quaternary 1: 103-108
 Vertebrata 5: 1007-1013
 British Columbia, Quaternary 4: 832-840
 Canada, Quaternary 8: 1676-1696
 Montana, Quaternary 3: 535-552
 New Brunswick, Quaternary 6: 1242-1253
 New York, Quaternary 9: 1829-1845
 Northwest Territories, Quaternary 1: 103-108; 5: 954-974
 Nova Scotia, Quaternary 6: 1242-1253
 Ontario, Quaternary 12: 2436-2447
 Quaternary 4: 841-850
 Quebec, Quaternary 7: 1390-1403; 8: 1715-1719
 Washington, Quaternary 3: 535-552
- Ca** *see* calcium
- Cadillac tectonic zone**
 geochemistry 7: 1521-1531
- Caenagnathidae**
 Vertebrata 10-11: 2255-2272
- calcareous algae**
 Atlantic Ocean, stratigraphy 2: 391-411
 Indian Ocean, stratigraphy 2: 391-411
- calcareous nannofossils** *see* nannofossils
- calcite**
 Arctic region, Quaternary 4: 806-813
 Spitsbergen, Quaternary 4: 806-813
- calcium**
 Arctic region, Quaternary 4: 806-813
 Spitsbergen, Quaternary 4: 806-813
- Caledonian Orogeny**
 Morocco, structural geology 7: 1332-1337
- Call Mill Formation**
 Cambrian 6: 1254-1261
- Cambrian**
 Quebec 6: 1254-1261
- Campanian**
 Alberta 10-11: 2231-2247; 10-11: 2255-2272
 China 10-11: 2180-2195; 10-11: 2196-2213
 Saskatchewan 4: 769-775
 South Dakota 10-11: 2255-2272
 Uzbekistan 10-11: 2255-2272
- Canada** *see also* Eastern Canada; Geological Survey of Canada; Western Canada
 Devonian, Avalon Zone 12: 2328-2333
 faults, Canadian Cordillera 5: 1014-1027
 geochemistry
 Canadian Cordillera 5: 1076-1090
 Labrador Trough 7: 1505-1520
 Ungava 7: 1505-1520
 geochronology
 Canadian Cordillera 12: 2305-2314
 Labrador Trough 8: 1582-1593
 Ungava 8: 1582-1593
 metal ores, Canadian Cordillera 1: 48-59
 oil sands, Cold Lake 1: 94-102
 petrology, Ungava 12: 2423-2435
 Quaternary 2: 354-371
 Hudson Bay Lowlands 8: 1676-1696

- Ungava 8: 1676-1696
- Silurian
- Avalon Zone 8: 1607-1612
- Hudson Bay Lowlands 3: 575-590
- stratigraphy
- Canadian Cordillera 12: 2404-2422
- Canadian Rocky Mountains 12: 2404-2422
- structural geology
- Canadian Cordillera 2: 209-231
- 3: 631-643; 6: 1262-1274; 12: 2389-2403
- Hudson Bay Lowlands 8: 1668-1673
- tectonics, Canadian Cordillera 1: 77-93
- Canadian Cordillera**
- faults 5: 1014-1027
- geochemistry 5: 1076-1090
- geochronology 12: 2305-2314
- metal ores 1: 48-59
- stratigraphy 12: 2404-2422
- structural geology 2: 209-231
- 3: 631-643; 6: 1262-1274; 12: 2389-2403
- tectonics 1: 77-93
- Canadian Rocky Mountains**
- stratigraphy 12: 2404-2422
- Canadian Shield** *see also* Huronian; Ontario
- Archean
- Abitibi Belt 1: 11-28
- 1: 29-41; 1: 42-47; 9: 1970-1980
- Superior Province 6: 1179-1196
- geochemistry 6: 1110-1122; 6: 1123-1140
- Abitibi Belt 7: 1521-1531
- Wawa Belt 12: 2510-2522
- geochronology, Central Metasedimentary Belt 3: 465-473; 6: 1155-1165
- gold ores
- Abitibi Belt 3: 413-419
- 9: 1924-1933; 12: 2334-2351
- Slave Province 8: 1566-1581
- lead-zinc deposits 5: 1028-1036
- magmas, Abitibi Belt 1: 124-131
- metal ores
- Abitibi Belt 9: 1934-1954
- Superior Province 12: 2366-2379
- petrology, Wawa Belt 5: 985-996
- Precambrian, Superior Province 6: 1275-1285
- Proterozoic
- Central Metasedimentary Belt 12: 2523-2527
- Superior Province 6: 1286-1296
- stratigraphy, Abitibi Belt 9: 1886-1897
- tectonics, Central Metasedimentary Belt 3: 647-650
- uranium ores, Churchill Province 4: 651-763
- Canso Ridge**
- structural geology 12: 2495-2509
- Cape Breton Island**
- geochemistry 6: 1147-1154
- Proterozoic 1: 1-10
- structural geology 12: 2495-2509
- Cape Cormorant Formation**
- orogeny 9: 1759-1772
- Cape Saint Marys**
- Silurian 8: 1607-1612
- carbargillite *see* coal
- carbon**
- C-13/C-12
- Arctic region 4: 806-813
- Quebec 9: 1881-1885
- Saskatchewan 4: 743-753
- Spitsbergen 4: 806-813
- Yukon Territory 9: 1870-1880
- C-14
- Alaska 1: 103-108; 5: 1007-1013
- British Columbia 4: 832-840
- Canada 8: 1676-1696
- Montana 3: 535-552
- New Brunswick 6: 1242-1253
- New York 9: 1829-1845
- Northwest Territories 1: 103-108; 5: 954-974
- Nova Scotia 6: 1242-1253
- Ontario 12: 2436-2447
- Quaternary 4: 841-850
- Quebec 7: 1390-1403; 8: 1715-1719
- Washington 3: 535-552
- carbon dioxide**
- Quebec, gold ores 3: 413-419
- carbon-14 *see* C-14
- carbonaceous shale *see* black shale
- carbonate ramps**
- Canada, stratigraphy 12: 2404-2422
- Ontario, sedimentary petrology 12: 2453-2464
- United States, stratigraphy 12: 2404-2422
- carbonate rocks** *see also* boundstone; dolostone; limestone
- Poland 9: 1799-1814
- carbonates *see* calcite
- Carboniferous** *see also* Mississippian; Pennsylvanian
- Dinantian, Georgia 7: 1297-1305
- New Brunswick 7: 1324-1331
- Newfoundland 4: 776-786
- Saskatchewan 4: 720-730
- Tournaisian
- Canada 12: 2404-2422
- United States 12: 2404-2422
- Carlton County Minnesota**
- Proterozoic 5: 913-917
- Carnivora *see* Fissipedia; Pinnipedia
- Carnosauria**
- Vertebrata 10-11: 2037-2081
- Cascade Range**
- structural geology 7: 1306-1323
- casts, flute *see* flute casts
- catalogs**
- New York, Quaternary 9: 1829-1845
- cathodoluminescence 6: 1209-1223
- Ce *see* cerium
- Cenozoic *see* Quaternary; Tertiary
- centers, spreading *see* spreading centers
- Central Europe *see* Poland
- central granite *see* batholiths
- Central Massif *see* Sidobre Massif
- Central Metasedimentary Belt**
- geochronology 3: 465-473; 6: 1155-1165
- Proterozoic 12: 2523-2527
- tectonics 3: 647-650
- Central Mineral Belt**
- uranium ores 12: 2352-2365
- cephalopods *see* ammonoids
- Ceratopsidae**
- China 10-11: 2248-2254
- cerium**
- Yukon Territory, stratigraphy 9: 1870-1880
- chain silicates *see* amphibole group; pyroxene group
- chambers, magma *see* magma chambers
- Champlain Sea**
- Quaternary 8: 1715-1719
- Champsosauridae**
- Vertebrata 10-11: 2153-2162
- Chance Lake**
- geochronology 8: 1582-1593
- changes of level** *see also* eustasy; isostasy
- Alaska, Quaternary 1: 103-108; 3: 519-534
- British Columbia, Quaternary 4: 832-840
- Northwest Territories, Quaternary 1: 103-108
- Nova Scotia, Quaternary 7: 1374-1384
- Ontario, Quaternary 12: 2436-2447
- channels** *see also* gorges; streamflow
- Alberta 9: 1846-1852
- Northwest Territories, Quaternary 5: 928-944
- Chelan County Washington**
- structural geology 7: 1306-1323
- Chelonia**
- China 10-11: 2013-2026
- 10-11: 2128-2138; 10-11: 2139-2152; 10-11: 2214-2223
- Uzbekistan 10-11: 2214-2223
- chemically precipitated rocks *see* evaporites; iron formations
- chert**
- stratigraphy 9: 1898-1913
- Cheticamp Lake Gneiss**
- faults 9: 1773-1781
- Chezzetcook Inlet**
- Quaternary 7: 1374-1384
- Chibougamau Quebec**
- Archean 1: 11-28
- Chic-Chocs Plateau**
- Quaternary 9: 1853-1860
- China** *see also* Gansu China; Hunan China; Inner Mongolia China; Shandong China; Xinjiang China; Xizang China
- Mesozoic 10-11: 2002-2012
- Vertebrata, Ordos Basin 10-11: 2128-2138
- 10-11: 2139-2152; 10-11: 2153-2162; 10-11: 2163-2173; 10-11: 2174-2176; 10-11: 2177-2179
- chlorite group *see* sudoite
- Chordata *see* Vertebrata
- chorology *see* biogeography
- chromite ores**
- China, petrology 8: 1650-1659

- chromitite**
China 8: 1650-1659
chromium ores *see* chromite ores
Chuckanut Formation 6: 1205-1208
Churchill Province
uranium ores 4: 651-763
Cigar Lake Deposit
metal ores 4: 689-704; 4: 743-753
uranium ores 4: 651-763
4: 653-673; 4: 674-688;
4: 705-719; 4: 720-730;
4: 731-742; 4: 754-763
- cirques**
Quebec, Quaternary 8: 1697-1707
cladistics
China, Vertebrata 10-11: 2013-2026; 10-11: 2082-2095
Northwest Territories, Invertebrata 8: 1634-1643
Clairmont Formation
structural geology 7: 1297-1305
Clam Bank Formation
stratigraphy 4: 776-786
clastic rocks *see also* bentonite; black shale; breccia; mudstone; red beds; sandstone; saprolite; shale
Canada, stratigraphy 1: 174-200
China, palynomorphs 10-11: 2101-2106
United States, stratigraphy 1: 174-200
clastic sediments *see* diamicton; silt; till
clay
British Columbia, Quaternary 9: 1815-1828
Northwest Territories 12: 2448-2452
Quaternary 8: 1708-1714
Saskatchewan, soil mechanics 3: 420-433
Washington, Quaternary 9: 1815-1828
clay mineralogy
Saskatchewan, metal ores 4: 689-704
clay minerals *see* illite
cleavage
Quebec, structural geology 3: 591-602; 7: 1363-1373
- Clements Markham fold belt**
petrology 4: 867-880
climatology, paleo- *see* paleoclimatology
clinoamphibole *see* hastingsite; hornblende
clinopyroxene *see* aegirine; augite
Clyburn Brook Formation
faults 9: 1773-1781
CO₂ *see* carbon dioxide
coal
Montana, paleomagnetism 9: 1981-1996
Northwest Territories, Eocene 9: 1914-1923
Coast Belt
faults 5: 1014-1027
stratigraphy 5: 1037-1048
Coast Mountains
structural geology 12: 2389-2403
coastlines
British Columbia, Quaternary 4: 832-840
Quebec, Quaternary 3: 553-574
Cobequid Highlands
Proterozoic 3: 474-479
- Coelenterata**
Rugosa, British Columbia 4: 819-831
coelenterates *see* corals
coffinite *see* uranium ores
Cold Lake
oil sands 1: 94-102
Cold Lake Oil Sands
oil sands 1: 94-102
Coldwell Complex
geochemistry 1: 145-158
Coleoptera
Northwest Territories, Quaternary 5: 954-974
Colorado Group
oil sands 1: 94-102
common mica *see* muscovite
Commonwealth of Independent States *see* Uzbekistan
compression tectonics
Morocco, petroleum 5: 1049-1055
compressional waves *see* P-waves
computer tomography
Alberta, Vertebrata 10-11: 2231-2247
conjugate faults
Ontario 8: 1668-1673
conodonts
Alberta, sedimentary rocks 8: 1660-1667
British Columbia, structural geology 3: 631-643
Canada, stratigraphy 12: 2404-2422; 12: 2465-2474
China, sedimentary rocks 8: 1660-1667
Northwest Territories, sedimentary rocks 8: 1660-1667
United States, stratigraphy 12: 2404-2422; 12: 2465-2474
Yukon Territory, stratigraphy 9: 1870-1880
contact metamorphism
Labrador, Proterozoic 6: 1166-1178
Newfoundland, Proterozoic 6: 1166-1178
continental crust
Alberta, tectonics 1: 77-93
British Columbia
faults 5: 1014-1027
structural geology 12: 2389-2403
tectonics 1: 77-93
Canada
metamorphism 1: 159-173
structural geology 2: 209-231
Ontario
structural geology 8: 1668-1673
tectonics 3: 647-650
Quebec, geochemistry 6: 1110-1122
continental drift *see also* Gondwana; Pangaea
Newfoundland 2: 261-277
Ontario, stratigraphy 12: 2475-2480
Wyoming, stratigraphy 12: 2475-2480
continental margin
Alaska, geochemistry 5: 975-984
British Columbia
geophysical surveys 7: 1427-1439; 7: 1440-1452
petroleum 5: 918-927
tectonophysics 4: 787-805
Canada, tectonophysics 9: 1782-1798
Ontario, Archean 6: 1179-1196
- continental migration *see* continental drift
continental shelf *see also* changes of level
Newfoundland, structural geology 12: 2495-2509
Northwest Territories 12: 2448-2452
Nova Scotia, structural geology 12: 2495-2509
continental type *see* continental crust
copper ores
British Columbia 1: 48-59
Quebec 9: 1934-1954
coprolites
New Brunswick, Quaternary 6: 1242-1253
Nova Scotia, Quaternary 6: 1242-1253
coral reefs *see* reefs
corals
British Columbia, stratigraphy 4: 819-831
stromatoporoids
Canada 12: 2465-2474
United States 12: 2465-2474
Corbet Mine
metal ores 9: 1934-1954
cordierite
Ontario, petrology 5: 985-996
core complexes *see* metamorphic core complexes
Cornwallis Island
Invertebrata 8: 1634-1643
stratigraphy 3: 491-498
Cot Deposit
gold ores 8: 1566-1581
Craigieburn Range
Quaternary 9: 1861-1869
Cretaceous *see also* Laramide Orogeny
Alberta 5: 1037-1048
Apian, China 8: 1644-1649
Atlantic Ocean 10-11: 2101-2106
Belly River Formation 2: 391-411
British Columbia 1: 174-200
Campanian 5: 1076-1090
Alberta 10-11: 2231-2247; 10-11: 2255-2272
China 10-11: 2180-2195; 10-11: 2196-2213
Saskatchewan 4: 769-775
South Dakota 10-11: 2255-2272
Uzbekistan 10-11: 2255-2272
China 10-11: 1997-2001
10-11: 1997-2272; 10-11: 2107-2127; 10-11: 2128-2138; 10-11: 2139-2152; 10-11: 2153-2162; 10-11: 2163-2173; 10-11: 2174-2176; 10-11: 2177-2179; 10-11: 2214-2223; 10-11: 2224-2230; 10-11: 2248-2254
Colorado Group, oil sands 1: 94-102
Djadokhta Formation 10-11: 2180-2195
sedimentation 10-11: 2196-2213
Elkhorn Mountains Volcanics 5: 1066-1075
Far East 10-11: 2096-2100
Hell Creek Formation 9: 1981-1996
Vertebrata 10-11: 2255-2272

- Indian Ocean 2: 391-411
 Judith River Formation 1: 174-200
 Vertebrata 10-11: 2255-2272
 K-T boundary, Montana 9: 1981-1996
 Maestrichtian
 Alberta 10-11: 2255-2272
 Saskatchewan 4: 769-775
 South Dakota 10-11: 2255-2272
 Uzbekistan 10-11: 2255-2272
 Mannville Group, oil sands 1: 94-102
 Newfoundland 12: 2495-2509
 Nova Scotia 12: 2495-2509
 Oldman Formation 1: 174-200
 Turonian
 Alberta 10-11: 2255-2272
 South Dakota 10-11: 2255-2272
 Uzbekistan 10-11: 2255-2272
 Two Medicine Formation 5: 1066-1075
 Vertebrata 5: 997-1006
 Uzbekistan 10-11: 2214-2223
 Washington 7: 1306-1323
 Cretaceous-Tertiary boundary *see* K-T boundary
Cross Lake Sill
 geochemistry 6: 1123-1140
cross-bedding
 Ontario 12: 2453-2464
cross-stratification
 China 10-11: 2196-2213
 crossbedding *see* cross-bedding
Crowsnest Formation
 petrology 8: 1644-1649
crust *see also* geothermal gradient; heat flow
 British Columbia 4: 787-805
 geochemistry 5: 1076-1090
 geophysical surveys 7: 1427-1439; 7: 1440-1452
 continental crust 5: 908-912
 Alberta 1: 77-93
 British Columbia 1: 77-93
 5: 1014-1027; 12: 2389-2403
 Canada 1: 159-173; 2: 209-231
 Ontario 3: 647-650; 8: 1668-1673
 Quebec 6: 1110-1122
 Labrador, Proterozoic 12: 2315-2327
 Newfoundland
 Proterozoic 12: 2315-2327
 structural geology 12: 2495-2509
 tectonics 12: 2481-2494
 Nova Scotia, structural geology 12: 2495-2509
 oceanic crust, Newfoundland 2: 261-277
 Ontario, Archean 6: 1179-1196
 cryotectonics *see* glacioteconics
Cuyahoga County Ohio
 Quaternary 6: 1236-1241
D/H
 geochemistry 1: 109-112
data bases
 Atlantic Ocean, stratigraphy 2: 391-411
 Indian Ocean, stratigraphy 2: 391-411
 dating, fission-track *see* fission-track dating
decollement
 Georgia, structural geology 7: 1297-1305
Deep Sea Drilling Project
 stratigraphy 2: 391-411
- Deer Cove Deposit**
 gold ores 7: 1532-1546
deformation *see also* cleavage; folds; foliation
 8: 1674-1675
 ductile deformation
 Georgia 7: 1297-1305
 Labrador 7: 1458-1469
 New Brunswick 7: 1324-1331
 Newfoundland 7: 1458-1469
 Ontario 3: 647-650; 6: 1155-1165
 Saskatchewan 7: 1338-1354
 Great Lakes, Quaternary 8: 1741-1748
 Labrador, Proterozoic 7: 1470-1489
 Minnesota, geochemistry 12: 2510-2522
 Newfoundland, Proterozoic 7: 1470-1489
deglaciation
 Canada, Quaternary 2: 354-371; 8: 1676-1696
 Great Lakes, Quaternary 8: 1741-1748
 Northwest Territories, Quaternary 8: 1749-1758
 Quebec, Quaternary 3: 553-574; 7: 1390-1403
depositional remanent magnetization
 Venezuela, stratigraphy 12: 2380-2388
depressions
 Saskatchewan, Quaternary 6: 1224-1235
desiccation
 Poland, sedimentation 9: 1799-1814
 detachment *see* decollement
 detrital fan *see* alluvial fans
 detrital remanent magnetization *see* depositional remanent magnetization
detrital sedimentation
 Ontario, Proterozoic 12: 2523-2527
Detroit River Group
 12: 2465-2474
deuterium *see also* D/H
 Arctic region, Quaternary 4: 806-813
 Ontario, non-metal deposits 9: 1955-1969
 Quebec, natural gas 9: 1881-1885
 Saskatchewan, metal ores 4: 689-704
 Spitsbergen, Quaternary 4: 806-813
Devon Island
 stratigraphy 3: 491-498
Devonian
 Acadian Phase
 Newfoundland 4: 776-786; 9: 1759-1772
 Quebec 3: 591-602; 7: 1363-1373
 Alberta 8: 1660-1667
 China 8: 1660-1667
 Detroit River Group 12: 2465-2474
 Famennian
 Canada 12: 2404-2422
 Nova Scotia 5: 1091-1098
 United States 12: 2404-2422
 Georgia 7: 1297-1305
 Newfoundland 7: 1532-1546; 12: 2328-2333
 Northwest Territories 3: 603-620
 5: 1028-1036; 8: 1660-1667
 Nova Scotia 12: 2295-2304
 Onondaga Limestone 12: 2465-2474
 Palliser Formation 12: 2404-2422
 Quebec 12: 2283-2294
- dextral faults *see* right-lateral faults
diabase
 Arizona, stratigraphy 7: 1415-1426
 Newfoundland
 geochemistry 3: 434-448
 structural geology 12: 2495-2509
 Nova Scotia, structural geology 12: 2495-2509
 Ontario
 geochemistry 6: 1123-1140
 Proterozoic 6: 1286-1296
 Quebec, Proterozoic 6: 1286-1296
diachronism
 Quebec, Quaternary 8: 1715-1719
diagenesis *see also* dolomitization
 Alaska 3: 519-534
 Manitoba, hydrology 6: 1099-1109
 Ontario 6: 1209-1223
 Silurian 3: 575-590
 Saskatchewan
 metal ores 4: 689-704
 uranium ores 4: 674-688
diamicton
 British Columbia, Quaternary 9: 1815-1828
 Washington, Quaternary 9: 1815-1828
diamond
 China, petrology 8: 1650-1659
 diaphoresis *see* retrograde metamorphism
diapirism
 Alaska, geochemistry 5: 975-984
 Diapsida *see* Archosauria; Eosuchia; Ichthyosauria
Dicamptodon antiquus
 Vertebrata 4: 814-818
dike swarms
 Ontario
 Proterozoic 6: 1286-1296
 stratigraphy 9: 1886-1897
 Proterozoic 7: 1490-1504
 Quebec
 Proterozoic 6: 1286-1296
 stratigraphy 9: 1886-1897
 Canada, geochronology 8: 1582-1593
 Labrador, geochemistry 6: 1141-1146
 Newfoundland
 geochemistry 6: 1141-1146
 structural geology 12: 2495-2509
 Nova Scotia
 geochemistry 12: 2295-2304
 structural geology 12: 2495-2509
 Quebec 1: 124-131
 geochemistry 6: 1110-1122
 gold ores 9: 1924-1933
 dilatational wave *see* P-waves
Dinantian *see also* Horton Group; Tournaisian
 Georgia 7: 1297-1305
dinoflagellates
 Alaska, Quaternary 1: 103-108
 Atlantic Ocean 2: 391-411
 Quaternary 7: 1385-1389
 Indian Ocean 2: 391-411
 Northwest Territories, Quaternary 1: 103-108
Dinosaur Park Formation
 stratigraphy 1: 174-200
 Vertebrata 10-11: 2231-2247

Dinosaur Provincial Park

- Quaternary 9: 1846-1852
- Vertebrata 10-11: 2231-2247
- dinosaurs** *see also* Ornithischia; Saurischia
- China 10-11: 1997-2001; 10-11: 1997-2272
- Mesozoic 10-11: 2002-2012
- sedimentation 10-11: 2196-2213
- stratigraphy 10-11: 2180-2195
- Montana, geochronology 5: 1066-1075
- diorites *see* plagiogranite
- displacement theory *see* continental drift
- disposal, waste *see* waste disposal
- District of Kenora *see* Kenora District Ontario
- District of Mackenzie *see* Mackenzie District Northwest Territories
- District of Nipissing *see* Nipissing District Ontario
- District of Thunder Bay *see* Thunder Bay District Ontario
- Djadokhta Formation** 10-11: 2180-2195
- sedimentation 10-11: 2196-2213
- Dog Bay Line**
- tectonics 12: 2481-2494
- dolerite *see* diabase
- dolomite *see* dolostone
- dolomitization**
- Ontario, sedimentary petrology 12: 2453-2464
- Northwest Territories, lead-zinc deposits 5: 1028-1036
- Quebec, natural gas 9: 1881-1885
- Donqiao Ophiolite**
- petrology 8: 1650-1659
- Dorset England**
- Vertebrata 6: 1197-1204
- drumlins**
- Saskatchewan, Quaternary 6: 1224-1235
- dry delta *see* alluvial fans
- DSDP *see* Deep Sea Drilling Project
- ductile deformation**
- Georgia 7: 1297-1305
- Labrador, Proterozoic 7: 1458-1469
- New Brunswick 7: 1324-1331
- Newfoundland, Proterozoic 7: 1458-1469
- Ontario 3: 647-650
- geochronology 6: 1155-1165
- Saskatchewan 7: 1338-1354
- dune structures**
- China 10-11: 2196-2213
- Dunnage Melange**
- geochemistry 3: 434-448
- tectonics 12: 2481-2494
- dykes *see* dikes
- earthquake prediction**
- earthquakes 2: 372-390
- earthquakes *see* geologic hazards
- East-Central Alaska *see* Fairbanks mining district
- Eastern Canada *see* Avalon Zone; Maritime Provinces; Newfoundland; Ontario; Quebec
- eclogite**
- Canada 1: 159-173
- economic geology *see* base metals; bitumens; brines; chromite ores; coal; copper ores; evaporite deposits; gems; hematite; lead-zinc deposits; natural gas; oil sands; peat;

pegmatite; petroleum; polymetallic ores; shale; silver ores; uranium ores; zinc ores

Economy River Gneiss

- Proterozoic 3: 474-479
- Ectopodus lovei**
- Vertebrata 8: 1613-1617
- elastic waves *see* body waves
- Elkhorn Mountains Volcanics**
- 5: 1066-1075
- Ellesmere Island**
- petrology 4: 867-880
- Quaternary 8: 1708-1714
- stratigraphy 12: 2465-2474
- Elliot Lake Ontario**
- sedimentary petrology 6: 1209-1223
- Elzevir Terrane**
- geochronology 3: 465-473; 6: 1155-1165
- Proterozoic 12: 2523-2527
- embryonic taxa**
- China, Vertebrata 10-11: 2248-2254
- Enantiornithes**
- Vertebrata 10-11: 2177-2179
- engineering geology *see* earthquakes; geologic hazards; permafrost; soil mechanics; waste disposal
- England**
- Vertebrata, Dorset England 6: 1197-1204
- environmental geology *see* geologic hazards; pollution; waste disposal
- Eocene** 8: 1613-1617
- Chuckanut Formation 6: 1205-1208
- Northwest Territories 9: 1914-1923
- Eosuchia**
- China 10-11: 2153-2162
- epiophoresis theory *see* continental drift
- epizonal metamorphism**
- Morocco, structural geology 7: 1332-1337
- Erie County Ohio**
- Quaternary 6: 1236-1241
- Erieau Excursion**
- Quaternary 8: 1741-1748
- erosion** *see also* glacial erosion
- Ontario, geomorphology 5: 945-953
- erosion features**
- Quebec, Quaternary 8: 1697-1707
- eruptions**
- Montana, Quaternary 3: 535-552
- Washington, Quaternary 3: 535-552
- eruptive rocks *see* volcanic rocks
- eskers**
- Northwest Territories, Quaternary 5: 928-944
- Essaouira Basin**
- petroleum 5: 1049-1055
- Essex County Ontario**
- Quaternary 12: 2436-2447
- Europe** *see also* Central Europe; Western Europe
- Mesozoic 10-11: 2002-2012
- eustasy *see* isostasy
- eustasy *see* eustasy
- Eusuchia *see* Eosuchia
- Eutheria *see* Artiodactyla; Carnivora; Proboscidea
- evaporite deposits**
- New Brunswick, tectonics 7: 1324-1331
- evaporites *see* gypsum; sylvinite

exhumation

- Newfoundland, geochronology 8: 1594-1606
- exogenous inclusions *see* xenoliths
- Exploits Subzone**
- geochemistry 3: 434-448
- Exshaw Formation**
- stratigraphy 12: 2404-2422
- extension faults**
- New Brunswick 7: 1324-1331
- extension tectonics**
- Minnesota, Proterozoic 5: 913-917
- facies *see* amphibolite facies; greenschist facies
- Fairbanks mining district**
- gold ores 4: 764-768
- Falcon Valley**
- Quaternary 9: 1846-1852
- Famennian**
- Canada 12: 2404-2422
- Nova Scotia 5: 1091-1098
- United States 12: 2404-2422
- Far East *see* China; Mongolia; Thailand
- Farallon Plate**
- stratigraphy 5: 1037-1048
- fault blocks *see* block structures
- fault zones**
- Quebec, structural geology 7: 1363-1373
- Washington, structural geology 7: 1306-1323
- faults** *see also* block structures; decollement; foliation; grabens; shear zones
- British Columbia 5: 1014-1027
- conjugate faults, Ontario 8: 1668-1673
- extension faults, New Brunswick 7: 1324-1331
- Morocco, petroleum 5: 1049-1055
- reverse faults
- Newfoundland 9: 1759-1772
- Quebec 7: 1363-1373
- right-lateral faults
- British Columbia 6: 1262-1274
- Newfoundland 7: 1547-1552; 12: 2481-2494
- Quebec 3: 591-602; 7: 1363-1373
- Saskatchewan 7: 1338-1354
- stratigraphy 5: 1037-1048
- strike-slip faults
- British Columbia 3: 631-643; 7: 1427-1439
- Ontario 9: 1955-1969
- Quebec 3: 591-602
- tear faults, Northwest Territories 3: 603-620
- thrust faults
- Morocco 7: 1332-1337
- Newfoundland 7: 1547-1552
- Ontario 3: 647-650
- Quebec 5: 1056-1065
- Saskatchewan 6: 1224-1235
- transcurrent faults, Quebec 7: 1363-1373
- transform faults, British Columbia 4: 787-805; 6: 1262-1274
- features, erosion *see* erosion features
- feldspar group** *see also* alkali feldspar; plagioclase
- Labrador, petrology 12: 2423-2435

- Newfoundland, petrology 12: 2423-2435
 field, magnetic *see* magnetic field
- fission-track dating**
 Alaska, gold ores 4: 764-768
 Newfoundland, geochronology 8: 1594-1606
- Fissipeda**
 Alaska 5: 1007-1013
- Flathead County Montana**
 stratigraphy 12: 2404-2422
- Flinton Group**
 3: 465-473
- Flitaway Northwest Territories**
 Quaternary 5: 954-974
- floodplains**
 British Columbia, Quaternary 9: 1815-1828
 Washington, Quaternary 9: 1815-1828
- floods *see* jokulhlaups
- fluid inclusions *see* carbon dioxide; geologic thermometry
- fluids, ore-forming *see* ore-forming fluids
- flute casts**
 Northwest Territories, Quaternary 5: 928-944
- fluvial features *see* alluvial fans; eskers; floodplains; waterfalls
- fluvial sedimentation *see* glaciofluvial sedimentation
- fold belts**
 Northwest Territories, petrology 4: 867-880
- folds** *see also* cleavage; foliation
 asymmetric folds, New Brunswick 7: 1324-1331
 isoclinal folds, New Brunswick 7: 1324-1331
 Morocco 7: 1332-1337
 recumbent folds, New Brunswick 7: 1324-1331
 Saskatchewan 7: 1338-1354
- foliation** *see also* cleavage
 Georgia 7: 1297-1305
 Northwest Territories, petrology 4: 867-880
- foraminifers**
 Alberta, oil sands 1: 94-102
 Atlantic Ocean
 Quaternary 7: 1385-1389
 stratigraphy 2: 391-411
 Indian Ocean, stratigraphy 2: 391-411
 Quebec, Quaternary 7: 1390-1403; 8: 1715-1719
- foreland basins**
 Newfoundland, orogeny 9: 1759-1772
- Foremost Formation**
 stratigraphy 1: 174-200
- formations, iron *see* iron formations
- Fort Knox Deposit**
 gold ores 4: 764-768
- Fosheim Peninsula**
 Quaternary 8: 1708-1714
- fossil localities**
 China
 sedimentation 10-11: 2196-2213
 stratigraphy 10-11: 2180-2195
- fossil soils *see* Paleosols
- fractional crystallization**
 Ontario, geochemistry 1: 145-158
- fragments**
 geophysical surveys 3: 480-485
 framework silicates *see* feldspar group; silica minerals; zeolite group
- France**
 zinc ores, Sidobre Massif 1: 113-123
- Francois Granite**
 Devonian 12: 2328-2333
- Franklin District Northwest Territories *see* Arctic Archipelago; Axel Heiberg Island; Devon Island; Ellesmere Island; Sverdrup Basin
- Fraser Lowland**
 Quaternary 4: 841-850
 freeze-thaw action *see* frost action
- Frobisher Bay**
 Quaternary 8: 1749-1758
- Frontenac Terrane**
 geochronology 3: 465-473
 Proterozoic 12: 2523-2527
- frost action** *see also* ice wedges
 Arctic region, Quaternary 4: 806-813
 Spitsbergen, Quaternary 4: 806-813
- Fry Creek Batholith**
 geochemistry 5: 1076-1090
- functional morphology**
 Alberta, Vertebrata 10-11: 2255-2272
 South Dakota, Vertebrata 10-11: 2255-2272
 Uzbekistan, Vertebrata 10-11: 2255-2272
- gabbros** *see also* anorthosite; metagabbro;
 olivine gabbro
 Canada, geochronology 8: 1582-1593
 Newfoundland
 geochemistry 3: 434-448
 Silurian 8: 1607-1612
 Nova Scotia, geochemistry 3: 449-464
- galena**
 Northwest Territories, lead-zinc deposits 5: 1028-1036
- Gansu China**
 Vertebrata 10-11: 2139-2152
- Garfield County Montana**
 paleomagnetism 9: 1981-1996
 garnet group *see* hydrogrossular; melanite
- Garry Island**
 permafrost 3: 509-518
 Quaternary 8: 1720-1729
- Gaspe Peninsula**
 geochemistry 12: 2283-2294
 Quaternary 7: 1390-1403
 8: 1697-1707; 9: 1853-1860
 structural geology 3: 591-602; 7: 1363-1373
- Gateway Formation**
 petrology 8: 1644-1649
- gems *see* amethyst
 gemstones *see* gems
- geobarometry *see* geologic barometry
- geochemical anomalies**
 Quebec, geochemistry 12: 2283-2294
- geochemical controls**
 Mali, gold ores 8: 1553-1565
 Northwest Territories, gold ores 8: 1566-1581
 Ontario, non-metal deposits 9: 1955-1969
 Saskatchewan, metal ores 4: 743-753
- geochemical methods**
 Quaternary 2: 333-353
- geochemistry**
 litho-geochemistry
 Alaska 5: 975-984
 British Columbia 5: 1076-1090; 12: 2305-2314
 Canada 2: 333-353
 Iowa 6: 1275-1285
 Labrador 6: 1141-1146
 Minnesota 12: 2510-2522
 Newfoundland 3: 434-448
 6: 1141-1146; 8: 1607-1612; 12: 2495-2509
 Northwest Territories 4: 867-880
 Nova Scotia 3: 449-464
 6: 1147-1154; 12: 2273-2282; 12: 2295-2304; 12: 2495-2509
 Ontario 6: 1123-1140; 6: 1209-1223
 Proterozoic 7: 1490-1504
 Quebec 7: 1505-1520
 7: 1521-1531; 9: 1934-1954
 Washington 7: 1306-1323
- geochronology *see* absolute age; Archean; Cambrian; Carboniferous; Cretaceous; Devonian; Eocene; fission-track dating; Holocene; Jurassic; Mesozoic; Ordovician; Paleocene; Paleozoic; Pennsylvanian; Permian; Pleistocene; Pliocene; Precambrian; Proterozoic; Quaternary; Silurian; Tertiary; Triassic
- geologic barometry**
 Northwest Territories, petrology 4: 867-880
 Washington, structural geology 7: 1306-1323
- geologic chronology *see* geochronology
- geologic hazards** *see also* floods
 earthquakes 2: 372-390
- geologic thermometry** *see also* geologic barometry; S-34/S-32
 Quebec, gold ores 3: 413-419; 12: 2334-2351
- geological barometry *see* geologic barometry
- Geological Survey of**
 Canada 2: 203-208; 2: 203-411
- Canada
 geomorphology 2: 232-242
 geophysical surveys 2: 243-260
 petroleum 2: 321-332
 Quaternary 2: 333-353
 earthquakes 2: 372-390
- geomorphologic effects**
 Alberta, Quaternary 9: 1846-1852
 geomorphology *see* changes of level; frost action; glacial geology; weathering
 geophysical logging *see* well-logging
- geophysical methods**
 magnetic methods 2: 243-260
 geophysical surveys *see* magnetic surveys; seismic surveys
- Georgeville Group**
 geochemistry 12: 2273-2282
- Georgia *see* Piedmont
- geosynclines** *see also* miogeosynclines
 Canada 2: 209-231
- geotectonics *see* tectonics

- geothermal gradient**
 Canada, tectonophysics 9: 1782-1798
 Morocco, petroleum 5: 1049-1055
- geothermal surveys** *see* heat flow
- geothermometry** *see* geologic thermometry
- Giants Range Batholith**
 geochemistry 12: 2510-2522
- Gila County Arizona**
 stratigraphy 7: 1415-1426
- Gilbert River Belt**
 Proterozoic 7: 1458-1469
- Gilmore Dome**
 gold ores 4: 764-768
- glacial erosion**
 Northwest Territories, Quaternary 8: 1749-1758
 Quebec, Quaternary 8: 1697-1707
 Saskatchewan, Quaternary 6: 1224-1235
- glacial extent**
 New York, Quaternary 9: 1829-1845
 New Zealand, Quaternary 9: 1861-1869
 Northwest Territories, Quaternary 4: 851-866
- glacial features** *see* cirques; drumlins; eskers
- glacial geology** *see* changes of level; cirques; drumlins; eskers; glacial erosion; glacial transport; glaciation; glaciers; glaciotectionics; ice movement; ice sheets; isostasy; till; valleys
- glacial lakes** *see also* glaciolacustrine sedimentation
 British Columbia, hydrology 3: 499-508
 glacial recession *see* deglaciation
- glacial sedimentation** *see also* glaciolacustrine sedimentation; glaciolacustrine sedimentation; glaciomarine sedimentation
 Canada, Quaternary 2: 333-353
 Ohio, Quaternary 6: 1236-1241
 Quaternary 4: 841-850
 Quebec, Quaternary 8: 1697-1707
- glaciated terrains**
 Canada, Quaternary 2: 333-353
- glaciation** *see* changes of level; deglaciation; glacial erosion; glacial extent; ice movement; ice sheets
- glacier bursts** *see* jokulhlaups
- Glacier County Montana**
 geochronology 5: 1066-1075
 Vertebrata 5: 997-1006
- glacier outburst floods** *see* jokulhlaups
- Glacier Peak Ash**
 Quaternary 3: 535-552
- glaciers** *see also* jokulhlaups
 Saskatchewan, soil mechanics 3: 420-433
- glaciolacustrine sedimentation**
 Northwest Territories, Quaternary 5: 928-944
- glaciolacustrine sedimentation**
 Ontario, Quaternary 12: 2436-2447
- glaciology** *see* glacial geology
- glaciomarine sedimentation**
 Canada, Quaternary 2: 354-371
 Quebec, Quaternary 3: 553-574
- glaciotectionics**
 Great Lakes, Quaternary 8: 1741-1748
 Saskatchewan, Quaternary 6: 1224-1235
- glassy feldspar** *see* sanidine
- gneisses** *see also* tonalite gneiss
 British Columbia, geochemistry 5: 1076-1090
 faults 9: 1773-1781
 Iowa, Precambrian 6: 1275-1285
 Labrador, Proterozoic 7: 1470-1489
 Minnesota, Proterozoic 5: 913-917
 Newfoundland, Proterozoic 7: 1470-1489
 Northwest Territories 4: 867-880
 Nova Scotia
 geochemistry 3: 449-464
 Proterozoic 3: 474-479
 Ontario, tectonics 3: 647-650
 Quebec
 Archean 9: 1970-1980
 geochronology 5: 1056-1065
 Saskatchewan, uranium ores 4: 653-673; 4: 731-742
- Gobi Desert**
 palynomorphs 10-11: 2101-2106
 sedimentation 10-11: 2196-2213
 Vertebrata 10-11: 2224-2230
- gold**
 Mali 8: 1553-1565
 Northwest Territories 8: 1566-1581
- gold ores**
 Alaska 4: 764-768
 Mali 8: 1553-1565
 Newfoundland 7: 1532-1546
 Northwest Territories 8: 1566-1581
 Ontario 12: 2366-2379
 Quebec 3: 413-419
 9: 1924-1933; 9: 1934-1954; 12: 2334-2351
- Gondwana** *see* Laurasia
- Gondwanaland** *see* Gondwana
- Goodsiraspis packardii**
 Invertebrata 8: 1634-1643
- Goose Bay Labrador**
 Proterozoic 12: 2315-2327
- Goose Tickle Group**
 orogeny 9: 1759-1772
- gorges**
 Ontario, geomorphology 5: 945-953
- Gotlandian** *see* Silurian
- government agencies** *see* survey organizations
- grabens**
 Quebec, Cambrian 6: 1254-1261
- Grand Banks**
 tectonophysics 2: 261-277; 9: 1782-1798
- Grand Pabos fault zone**
 structural geology 7: 1363-1373
- granites** *see also* biotite granite; granodiorites; pegmatite; quartz monzonite; two-mica granite
 France, zinc ores 1: 113-123
 Newfoundland, Devonian 12: 2328-2333
 Quebec, gold ores 9: 1924-1933
- granodiorites**
 British Columbia, geochemistry 5: 1076-1090
 Ontario, non-metal deposits 9: 1955-1969
 stratigraphy 5: 1037-1048
- granophyre**
 Canada, geochronology 8: 1582-1593
- graphite**
 Saskatchewan
 metal ores 4: 743-753
 uranium ores 4: 731-742
- graptolites**
 Northwest Territories, stratigraphy 3: 491-498
- Graptolithina**
 Monograptina, Northwest Territories 3: 491-498
- Graptoloidea** *see* Monograptina
- Great Britain** *see* England
- Great Lakes**
 Quaternary, Lake Erie 6: 1236-1241; 8: 1741-1748
- Great Lakes region** *see* Ontario
- Great Northern Peninsula**
 geochronology 8: 1594-1606
- greenschist facies**
 Washington, structural geology 7: 1306-1323
- greenstone belts**
 Iowa, Precambrian 6: 1275-1285
 Ontario
 Archean 6: 1179-1196
 petrology 5: 985-996
 Quebec, gold ores 9: 1924-1933
- Grenville Province** *see* Central Metasedimentary Belt
- Grenvillian Orogeny**
 Canada, metamorphism 1: 159-173
 Labrador 7: 1458-1469; 12: 2315-2327
 Newfoundland 7: 1458-1469; 12: 2315-2327
 Ontario 6: 1155-1165
 Quebec 5: 1056-1065; 7: 1453-1457
- Groswater Bay Terrane**
 Proterozoic 12: 2315-2327
- ground water**
 Saskatchewan, uranium ores 4: 754-763
- Guiana Massif** *see* Guyana Shield
- guides, ore** *see* ore guides
- Gulf of Saint Lawrence**
 Quaternary 3: 553-574; 7: 1390-1403
- Guyana Shield**
 stratigraphy 12: 2380-2388
- gypsum**
 Poland, sedimentation 9: 1799-1814
- H** *see* hydrogen
- H-2** *see* deuterium
- Hadrosauridae**
 Montana 5: 997-1006
- Harp dike swarm**
 Proterozoic 7: 1490-1504
- Harrison Fault**
 faults 5: 1014-1027
- hastingsite**
 Alberta, petrology 8: 1644-1649
- Havre-Saint-Pierre Complex**
 Proterozoic 7: 1453-1457
- hawaiite**
 British Columbia, geochemistry 1: 132-144
- Hayesville Till**
 Quaternary 6: 1236-1241

- hazards, geologic *see* geologic hazards
- Hazelton Group**
stratigraphy 4: 819-831
- heat flow** *see also* geothermal gradient; sea-floor spreading; temperature logging; well-logging
5: 881-892
Alberta, tectonics 1: 77-93
British Columbia, tectonics 1: 77-93
- heavy minerals**
Ohio, Quaternary 6: 1236-1241
- Hecate Strait**
geophysical surveys 7: 1427-1439; 7: 1440-1452
tectonophysics 4: 787-805
- Helikian**
Saskatchewan 4: 653-673
- Hell Creek Formation**
9: 1981-1996
Vertebrata 10-11: 2255-2272
- Hellancourt Formation**
geochronology 8: 1582-1593
- hematite**
Michigan, petrology 7: 1404-1414
Venezuela, stratigraphy 12: 2380-2388
- Hemlo Deposit**
petrology 5: 985-996
- Heron Bay**
petrology 5: 985-996
- heterochrony *see* diachronism
- hirschtite *see* hydrogrossular
- high-grade metamorphism**
Canadian Shield, geochronology 3: 465-473
Labrador, Proterozoic 7: 1470-1489
Newfoundland, Proterozoic 7: 1470-1489
Quebec, geochronology 5: 1056-1065
- Hill County Montana**
stratigraphy 1: 174-200
- Hillsborough New Brunswick**
Quaternary 6: 1242-1253
- Himalayas**
petrology 8: 1650-1659
- Hiram Till**
Quaternary 6: 1236-1241
- Holocene**
Alaska 1: 103-108
Alberta 9: 1846-1852
British Columbia 4: 832-840
Northwest Territories 1: 103-108; 8: 1749-1758
Nova Scotia 7: 1374-1384
- Holy Cross Mountains *see* Swietzy Krzyz Mountains
- Homerian**
stratigraphy 3: 491-498
- Hopedale Block**
Proterozoic 7: 1490-1504
- hornblende**
Georgia, structural geology 7: 1297-1305
Labrador, Proterozoic 6: 1166-1178
Minnesota, Proterozoic 5: 913-917
Newfoundland, Proterozoic 6: 1166-1178
- hornstone *see* chert
- Horsecreek Thief Batholith**
geochemistry 5: 1076-1090
- Horton Group**
5: 1091-1098
- hot spots**
tectonophysics 5: 908-912
- Houghton Pluton**
magmas 1: 124-131
- Hudson Bay Lowlands**
Quaternary 8: 1676-1696
Silurian 3: 575-590
structural geology 8: 1668-1673
- Hudson Strait**
Quaternary 8: 1749-1758
- Hudsonian Orogeny**
Saskatchewan
structural geology 7: 1338-1354
uranium ores 4: 731-742
- Humber Arm Allochthon**
orogeny 9: 1759-1772
- Hunan China**
sedimentary rocks 8: 1660-1667
- Huronian**
Ontario 1: 60-76
6: 1209-1223; 12: 2475-2480
Wyoming 12: 2475-2480
- hydrocarbons *see also* aliphatic hydrocarbons
- hydrogen** *see also* deuterium
D/H, geochemistry 1: 109-112
Saskatchewan, metal ores 4: 743-753
- hydrogeological controls**
Ontario, non-metal deposits 9: 1955-1969
- hydrogeology *see* ground water; hydrology
- hydrogrossular**
Alberta, petrology 8: 1644-1649
hydrology *see* floods; glaciers; ice; limnology
- hydromuscovite**
Saskatchewan, uranium ores 4: 674-688
- hydrothermal alteration** *see also* ore-forming fluids
Michigan 7: 1404-1414
Quebec
gold ores 12: 2334-2351
metal ores 9: 1934-1954
Saskatchewan
metal ores 4: 689-704
uranium ores 4: 674-688
- hydrothermal processes** *see also* ore-forming fluids
Ontario, non-metal deposits 9: 1955-1969
Saskatchewan, uranium ores 4: 705-719
- Iapetus**
Newfoundland, tectonics 12: 2481-2494
Quebec, Cambrian 6: 1254-1261
- Ibexian**
Trilobita 8: 1618-1633
- ice**
geochemistry 1: 109-112
ice mantle *see* ice sheets
- ice movement**
Northwest Territories, Quaternary 5: 928-944; 8: 1749-1758
Ohio, Quaternary 6: 1236-1241
Quaternary 4: 841-850
Quebec, Quaternary 8: 1697-1707
- ice sheets**
Canada, Quaternary 2: 354-371
Northwest Territories, Quaternary 5: 928-944; 8: 1749-1758
- ice wedges**
Northwest Territories
permafrost 3: 509-518
- Quaternary 8: 1720-1729
- ice-dammed lakes**
British Columbia, hydrology 3: 499-508
- ichnofossils** *see also* tracks
China, stratigraphy 10-11: 2180-2195
- Ichthyosauria**
British Columbia 3: 486-490
England 6: 1197-1204
- Idaho**
stratigraphy
Bonner County Idaho 12: 2404-2422
Boundary County Idaho 12: 2404-2422
- igneous rocks** *see also* plutonic rocks
alkali basalts
Labrador 6: 1141-1146
Newfoundland 6: 1141-1146
andesites, Quebec 9: 1934-1954
anorthosite
Labrador 6: 1141-1146; 6: 1166-1178
Newfoundland 6: 1141-1146; 6: 1166-1178
Quebec 7: 1453-1457
basalts
British Columbia 3: 631-643
China 10-11: 2101-2106
Newfoundland 12: 2495-2509
Nova Scotia 12: 2495-2509
basanite
Alaska 5: 975-984
British Columbia 1: 132-144
biotite granite, British Columbia 5: 1076-1090; 12: 2305-2314
chromitite, China 8: 1650-1659
diabase
Arizona 7: 1415-1426
Newfoundland 3: 434-448; 12: 2495-2509
Nova Scotia 12: 2495-2509
Ontario 6: 1123-1140; 6: 1286-1296
Quebec 6: 1286-1296
gabbros
Canada 8: 1582-1593
Newfoundland 3: 434-448; 8: 1607-1612
Nova Scotia 3: 449-464
granites
France 1: 113-123
Newfoundland 12: 2328-2333
Quebec 9: 1924-1933
granodiorites
British Columbia 5: 1076-1090
Ontario 9: 1955-1969
stratigraphy 5: 1037-1048
granophyre, Canada 8: 1582-1593
hawaiite, British Columbia 1: 132-144
lamprophyres, Nova Scotia 12: 2295-2304
olivine gabbro
Ontario 9: 1886-1897
Quebec 9: 1886-1897
peridotites, China 8: 1650-1659
phonolites, Alberta 8: 1644-1649
plagiogranite, Newfoundland 3: 434-448
plutonic rocks, British Columbia 5: 1014-1027
quartz monzonite, British Columbia 12: 2305-2314

- rhyolites, Quebec 9: 1934-1954
 syenites, Ontario 1: 145-158
 tholeiite
 Ontario 6: 1286-1296
 Quebec 6: 1286-1296
 tholeiitic basalt
 Canada 8: 1582-1593
 Labrador 6: 1141-1146
 Newfoundland 6: 1141-1146
 trachytes, British Columbia 1: 132-144
 two-mica granite, British Columbia 5: 1076-1090
 volcanic rocks, Newfoundland 3: 644-646
- Ikechosaurs sunailinae**
 Vertebrata 10-11: 2153-2162
- Ikpikuk River**
 Vertebrata 5: 1007-1013
- Illisarvik Northwest Territories**
 permafrost 3: 509-518
 Quaternary 8: 1720-1729
- illite**
 Saskatchewan, metal ores 4: 689-704
- imbricate tectonics**
 British Columbia 3: 631-643
 Ontario, geochronology 6: 1155-1165
 Quebec 3: 591-602
- inclination, magnetic *see* magnetic inclination
- inclusions *see also* fluid inclusions**
 xenoliths, Quebec 1: 124-131
- Indian Islands Group**
 tectonics 12: 2481-2494
- Indian Ocean**
 stratigraphy 2: 391-411
- Indus-Yarlung Zangbo suture zone**
 petrology 8: 1650-1659
- Inner Mongolia China *see also* Gobi Desert**
 Reptilia 10-11: 1997-2001; 10-11: 1997-2272
 stratigraphy 10-11: 2180-2195
 Vertebrata 10-11: 2096-2100
 10-11: 2107-2127; 10-11: 2128-2138; 10-11: 2139-2152; 10-11: 2153-2162; 10-11: 2163-2173; 10-11: 2174-2176; 10-11: 2177-2179; 10-11: 2214-2223; 10-11: 2248-2254
- inner transition elements *see* rare earths
- Insecta**
 Coleoptera, Northwest Territories 5: 954-974
- insects**
 Northwest Territories, Quaternary 5: 954-974
- Insular Belt**
 faults 5: 1014-1027
- Intermontane Belt**
 faults 5: 1014-1027
- intrusions *see also* contact metamorphism**
 Arizona, stratigraphy 7: 1415-1426
 batholiths
 British Columbia 5: 1076-1090; 12: 2305-2314
 Minnesota 12: 2510-2522
 Ontario 6: 1179-1196
- deformation 8: 1674-1675
 dikes
 Canada 8: 1582-1593
 Labrador 6: 1141-1146
 Newfoundland 6: 1141-1146; 12: 2495-2509
 Nova Scotia 12: 2295-2304; 12: 2495-2509
 Quebec 1: 124-131
 6: 1110-1122; 9: 1924-1933
 Labrador, Proterozoic 7: 1470-1489
 layered intrusions, Quebec 1: 11-28
 Newfoundland, Proterozoic 7: 1470-1489
 Ontario, geochemistry 1: 145-158
 plutons
 Alaska 4: 764-768
 British Columbia 12: 2305-2314
 Canadian Shield 1: 42-47
 Labrador 6: 1141-1146
 12: 2315-2327; 12: 2423-2435
 Minnesota 12: 2510-2522
 Newfoundland 6: 1141-1146
 12: 2315-2327; 12: 2328-2333; 12: 2423-2435
 Nova Scotia 1: 1-10; 3: 449-464
 Ontario 1: 29-41; 6: 1179-1196
 Quebec 1: 11-28
 1: 29-41; 1: 124-131; 9: 1924-1933
 stratigraphy 5: 1037-1048
 Washington 7: 1306-1323
 Quebec, Proterozoic 7: 1453-1457
 sills
 Alberta 8: 1644-1649
 Canada 8: 1582-1593
 Newfoundland 8: 1607-1612
 Ontario 6: 1123-1140
- intrusive mountain *see* batholiths
- Invertebrata *see* Arthropoda; Coelenterata
- invertebrates *see* arthropods; corals; foraminifers; graptolites; mollusks; radiolarians
- Iowa**
 Precambrian
 Lyon County Iowa 6: 1275-1285
 Sioux County Iowa 6: 1275-1285
- Ir *see* iridium
- Iren Dabasu Formation**
 Vertebrata 10-11: 2214-2223
- iridium**
 Yukon Territory, stratigraphy 9: 1870-1880
- iron formations**
 Northwest Territories, gold ores 8: 1566-1581
- irrotational wave *see* P-waves
- irruption (intrusion) *see* intrusions
- island arcs *see also* back-arc basins**
 British Columbia, structural geology 3: 631-643
 Nova Scotia, geochemistry 12: 2273-2282
- Island County Washington**
 Quaternary 9: 1815-1828
- island-arc areas *see* island arcs
- isoclinal folds**
 New Brunswick 7: 1324-1331
- Isortoq Northwest Territories**
 Quaternary 5: 954-974
- isostasy**
 Alberta, Quaternary 9: 1846-1852
 Canada, Quaternary 8: 1676-1696
 Quebec, Quaternary 3: 553-574
- isothermal remanent magnetization**
 Northwest Territories, lead-zinc deposits 5: 1028-1036
- isotopes *see also* stable isotopes**
 C-13/C-12
 Arctic region 4: 806-813
 Quebec 9: 1881-1885
 Saskatchewan 4: 743-753
 Spitsbergen 4: 806-813
 Yukon Territory 9: 1870-1880
- C-14
 Alaska 1: 103-108; 5: 1007-1013
 British Columbia 4: 832-840
 Canada 8: 1676-1696
 Montana 3: 535-552
 New Brunswick 6: 1242-1253
 New York 9: 1829-1845
 Northwest Territories 1: 103-108; 5: 954-974
 Nova Scotia 6: 1242-1253
 Ontario 12: 2436-2447
 Quaternary 4: 841-850
 Quebec 7: 1390-1403; 8: 1715-1719
 Washington 3: 535-552
 D/H, geochemistry 1: 109-112
 Nd-144/Nd-143
 Alaska 5: 975-984
 British Columbia 1: 48-59
 1: 132-144; 5: 1076-1090
 Labrador 6: 1141-1146
 Newfoundland 3: 434-448; 6: 1141-1146
 Nova Scotia 3: 449-464
 Nova Scotia, geochemistry 12: 2273-2282
- O-18**
 Arctic region 4: 806-813
 Spitsbergen 4: 806-813
- O-18/O-16**
 Atlantic Ocean 7: 1385-1389
 geochemistry 1: 109-112
 Quebec 9: 1934-1954
 Saskatchewan 4: 689-704
 Yukon Territory 9: 1870-1880
- Pb-207/Pb-204, Alaska 5: 975-984
 Pb-207/Pb-206, Saskatchewan 4: 754-763
 Pb-208/Pb-206, Saskatchewan 4: 754-763
 S-34/S-32, Ontario 9: 1955-1969
 Sm-147/Nd-144, Newfoundland 3: 434-448
 Sr-87/Sr-86
 Alaska 3: 519-534; 5: 975-984
 British Columbia 1: 132-144; 5: 1076-1090
 Labrador 6: 1141-1146
 Newfoundland 6: 1141-1146
 Nova Scotia 3: 449-464
 Saskatchewan 4: 731-742
 U-238/U-234, Saskatchewan 4: 754-763

- Itasca County Minnesota**
geochemistry 12: 2510-2522
- Itcha volcanic complex**
geochemistry 1: 132-144
- Jefferson County Washington**
Quaternary 9: 1815-1828
- jökulhlaups**
British Columbia, hydrology 3: 499-508
- Joutel Quebec**
Archean 1: 11-28
- Juan de Fuca Ridge**
tectonophysics 2: 278-300
- Judith River Formation**
Vertebrata 10-11: 2255-2272
- Junggar Basin**
Vertebrata 10-11: 2013-2026
10-11: 2027-2036; 10-11: 2037-2081; 10-11: 2082-2095
- Jurassic**
Atlantic Ocean 2: 391-411
British Columbia 1: 48-59; 12: 2305-2314
China 10-11: 1997-2001
10-11: 1997-2272; 10-11: 2013-2026; 10-11: 2027-2036; 10-11: 2037-2081; 10-11: 2082-2095
Indian Ocean 2: 391-411
Northwest Territories 2: 301-320
Sinemurian 4: 819-831
England 6: 1197-1204
- K-T boundary**
Montana 9: 1981-1996
- K/Ar**
Alaska, geochemistry 5: 975-984
Canada, stratigraphy 1: 174-200
Georgia, structural geology 7: 1297-1305
Saskatchewan metal ores 4: 689-704
uranium ores 4: 720-730
United States, stratigraphy 1: 174-200
K/T boundary *see* K-T boundary
Kansu China *see* Gansu China
- Kenora District Ontario**
Archean 6: 1179-1196
- Kenoran Orogeny**
Ontario, geochemistry 6: 1123-1140
Quebec 1: 11-28
geochemistry 6: 1110-1122
- Keweenaw County Michigan**
petrology 7: 1404-1414
Keweenawan *see* Portage Lake Lava Series
- Khunnuchelys**
Vertebrata 10-11: 2214-2223
- Kikkertavak dike swarm**
Proterozoic 7: 1490-1504
- Kinderhookian** *see* Banff Formation
- King County Washington**
Quaternary 9: 1815-1828
- Kirkland Lake Ontario**
Archean 1: 29-41
- klippen**
British Columbia, structural geology 3: 631-643
stratigraphy 9: 1898-1913
- knickpoints**
Ontario, geomorphology 5: 945-953
- Kootenay Arc**
geochemistry 5: 1076-1090
- Labrador** *see also* Grenville Province; Ungava
geochemistry, Nain Massif 6: 1141-1146
Proterozoic 7: 1470-1489
Nain Massif 6: 1166-1178
tectonophysics 9: 1782-1798
uranium ores 12: 2352-2365
- Labrador Sea**
Quaternary 7: 1385-1389
- Labrador Trough**
geochemistry 7: 1505-1520
geochronology 8: 1582-1593
- Labradorian Orogeny**
Proterozoic 12: 2315-2327
- Lac Pelletier lower fauna**
Vertebrata 8: 1613-1617
- lacustrine features *see* lakes
- lacustrine sedimentation *see also* glaciolacustrine sedimentation
China, stratigraphy 10-11: 2180-2195
- Lake Arkona**
Quaternary 12: 2436-2447
- Lake County Ohio**
Quaternary 6: 1236-1241
- Lake Erie**
Quaternary 6: 1236-1241; 8: 1741-1748
- Lake Matagami *see* Matagami
- Lake Maumee**
Ontario, Quaternary 12: 2436-2447
- Lake Melville Terrane**
Proterozoic 12: 2315-2327
- Lake Superior region**
Proterozoic 5: 913-917
- Lake Whittlesey**
Quaternary 12: 2436-2447
- lakes *see* glacial lakes
- Lambeosauridae**
Vertebrata 5: 997-1006
- laminations**
British Columbia, Quaternary 9: 1815-1828
Washington, Quaternary 9: 1815-1828
- lamprophyres**
Nova Scotia, geochemistry 12: 2295-2304
- landslides**
Northwest Territories, Quaternary 8: 1708-1714
- lanthanoans *see* rare earths
- Lapparent Massif**
Archean 1: 42-47
- Laramide Orogeny**
Northwest Territories, lead-zinc deposits 5: 1028-1036
- lateral faults *see* right-lateral faults
- laterites**
Mali, gold ores 8: 1553-1565
- latitude, paleo- *see* paleolatitude
- Laurasia**
China, Mesozoic 10-11: 2002-2012
- Laurentia**
Ontario, Proterozoic 12: 2523-2527
Laurentian Plateau *see* Canadian Shield
- Laurentide ice sheet**
Northwest Territories, Quaternary 4: 851-866; 8: 1749-1758
- lava**
Alaska, geochemistry 5: 975-984
British Columbia, geochemistry 1: 132-144
Canada, geochronology 8: 1582-1593
Michigan 7: 1404-1414
Newfoundland, geochemistry 3: 434-448
- lava domes *see* shield volcanoes
- layered intrusions**
Quebec, Archean 1: 11-28
- lead**
British Columbia, geochemistry 5: 1076-1090
Labrador, geochemistry 6: 1141-1146
Newfoundland, geochemistry 6: 1141-1146
Pb-207/Pb-204, Alaska 5: 975-984
Pb-207/Pb-206, Saskatchewan 4: 754-763
Pb-208/Pb-206, Saskatchewan 4: 754-763
- lead glance *see* galena
- lead-lead *see* Pb/Pb
- lead-zinc deposits *see* mississippi valley-type
- lead-zinc ores *see* lead-zinc deposits
- Leamington Ontario**
Quaternary 12: 2436-2447
Leg 105 *see* ODP Site 645; ODP Site 646
- Leptopterygius solei**
Vertebrata 6: 1197-1204
- level, changes of *see* changes of level
- Lewis and Clark County Montana**
geochronology 5: 1066-1075
- limestone *see* dolomitization
- limnology**
Manitoba, hydrology 6: 1099-1109
- Lincoln County Montana**
stratigraphy 12: 2404-2422
- lineaments**
Newfoundland, tectonics 12: 2481-2494
lineation *see* folds; foliation
lineations *see* lineation
liquid inclusions *see* fluid inclusions
- Liscomb Complex**
geochemistry 3: 449-464
- Lissamphibia**
Alberta 4: 814-818
- lithogeochemistry** *see also* geochemical anomalies; metasomatism; sedimentary rocks
Alaska 5: 975-984
British Columbia 5: 1076-1090
geochronology 12: 2305-2314
Canada, Quaternary 2: 333-353
Iowa, Precambrian 6: 1275-1285
Labrador 6: 1141-1146
Minnesota 12: 2510-2522
Newfoundland 3: 434-448; 6: 1141-1146
Silurian 8: 1607-1612
structural geology 12: 2495-2509
Northwest Territories, petrology 4: 867-880
Nova Scotia 3: 449-464
6: 1147-1154; 12: 2273-2282; 12: 2295-2304
structural geology 12: 2495-2509
Ontario 6: 1123-1140

- sedimentary petrology 6: 1209-1223
 Proterozoic 7: 1490-1504
 Quebec 7: 1505-1520; 7: 1521-1531
 metal ores 9: 1934-1954
 Washington, structural geology 7: 1306-1323
- Lithoprobe**
 Alberta, tectonics 1: 77-93
 British Columbia
 faults 5: 1014-1027
 geochronology 12: 2305-2314
 structural geology 12: 2389-2403
 tectonics 1: 77-93
 Labrador, Proterozoic 7: 1458-1469
 Newfoundland
 geochronology 8: 1594-1606
 orogeny 9: 1759-1772
 Proterozoic 7: 1458-1469
 Nova Scotia, Proterozoic 1: 1-10; 3: 474-479
 Quebec
 geochemistry 6: 1110-1122
 geochronology 5: 1056-1065
- lithostratigraphy**
 Alberta, Quaternary 9: 1846-1852
 British Columbia, geochemistry 1: 132-144
 Canada 1: 174-200; 12: 2404-2422
 faults 9: 1773-1781
 Montana 9: 1981-1996
 Newfoundland
 orogeny 9: 1759-1772
 tectonics 12: 2481-2494
 Northwest Territories 2: 301-320; 9: 1914-1923
 Quaternary 4: 851-866
 Nova Scotia, Quaternary 7: 1374-1384
 Ontario 12: 2475-2480
 Poland, sedimentation 9: 1799-1814
 Quaternary 4: 841-850
 Saskatchewan, uranium ores 4: 653-673
 United States 1: 174-200; 12: 2404-2422
 Wyoming 12: 2475-2480
- Little Bear River**
 Quaternary 4: 851-866
- Lobograptus cornuatus**
 stratigraphy 3: 491-498
- Logan Loop**
 stratigraphy 9: 1886-1897
- Long Range Inlier**
 geochronology 8: 1594-1606
- longitudinal wave *see* P-waves
- Lorain County Ohio**
 Quaternary 6: 1236-1241
- low-grade metamorphism**
 Nova Scotia, geochemistry 6: 1147-1154
 Ontario, sedimentary petrology 6: 1209-1223
 Venezuela, stratigraphy 12: 2380-2388
- Lower Carboniferous *see* Dinantian
 Lower Cretaceous *see* Aptian; Mannville Group
 lower Liassic *see* Sinemurian
 Lower Mississippian *see* Kinderhookian
 Lower Ordovician *see* Beekmantown Group
 lower Paleocene *see* K-T boundary; Puercan
- lower Precambrian *see* Archean
 lower Proterozoic *see* Aphebian; Wollaston Group
 Lower Silurian *see* Wenlockian; Whirlpool Sandstone
Ludlovian
 Northwest Territories 3: 491-498; 8: 1634-1643
- Luobusa Ophiolite**
 petrology 8: 1650-1659
- Luohandong Formation**
 Vertebrata 10-11: 2139-2152; 10-11: 2153-2162
- Lupin Mine**
 gold ores 8: 1566-1581
- Lyon County Iowa**
 Precambrian 6: 1275-1285
- M-discontinuity *see* Mohorovicic discontinuity
- Maastrichtian *see* Maastrichtian
- Mackenzie District Northwest Territories**
see also Lupin Mine; Pine Point mining district; Tuktoyaktuk Peninsula
 Quaternary 4: 851-866; 8: 1720-1729
- Maastrichtian**
 Alberta 10-11: 2255-2272
 Saskatchewan 4: 769-775
 South Dakota 10-11: 2255-2272
 Uzbekistan 10-11: 2255-2272
- mafic magmas**
 Canada, geochronology 8: 1582-1593
 magma *see* magmas
- magma chambers**
 Quebec, geochemistry 12: 2283-2294
- magmas** *see also* fractional crystallization; magmatic differentiation
 British Columbia 1: 132-144
 Iowa, Precambrian 6: 1275-1285
 Labrador
 geochemistry 6: 1141-1146
 Proterozoic 6: 1166-1178
 mafic magmas, Canada 8: 1582-1593
 Newfoundland
 geochemistry 3: 434-448; 6: 1141-1146
 Proterozoic 6: 1166-1178
 Quebec 1: 124-131
 Archean 9: 1970-1980
 geochemistry 7: 1505-1520
 tectonophysics 5: 908-912
- magmatic differentiation**
 Labrador, petrology 12: 2423-2435
 Newfoundland, petrology 12: 2423-2435
 Ontario, geochemistry 6: 1123-1140
- magnetic anomalies**
 Iowa, Precambrian 6: 1275-1285
 Newfoundland
 structural geology 12: 2495-2509
 tectonophysics 2: 261-277
 Nova Scotia, structural geology 12: 2495-2509
 Pacific Ocean, tectonophysics 2: 278-300
- magnetic declination**
 Arizona, stratigraphy 7: 1415-1426
 Great Lakes, Quaternary 8: 1741-1748
 Newfoundland, stratigraphy 3: 644-646; 4: 776-786
- Northwest Territories, lead-zinc deposits 5: 1028-1036
 stratigraphy 5: 1037-1048
- magnetic excursions**
 Great Lakes, Quaternary 8: 1741-1748
- magnetic field**
 earthquakes 2: 372-390
- magnetic inclination**
 Arizona, stratigraphy 7: 1415-1426
 Great Lakes, Quaternary 8: 1741-1748
 Newfoundland, stratigraphy 3: 644-646; 4: 776-786
 Northwest Territories, lead-zinc deposits 5: 1028-1036
 stratigraphy 5: 1037-1048
- magnetic intensity**
 Michigan, petrology 7: 1404-1414
- magnetic iron ore *see* magnetite
- magnetic methods** 2: 243-260
- magnetic minerals**
 Venezuela, stratigraphy 12: 2380-2388
- magnetic surveys** *see also* magnetic anomalies
 earthquakes 2: 372-390
- magnetism, paleo- *see* paleomagnetism
- magnetite**
 Michigan, petrology 7: 1404-1414
 Northwest Territories, lead-zinc deposits 5: 1028-1036
 Ontario, metal ores 12: 2366-2379
 Venezuela, stratigraphy 12: 2380-2388
- magnetization *see* remanent magnetization; saturation magnetization
- magnetostratigraphy**
 Montana, paleomagnetism 9: 1981-1996
- Mali**
 gold ores 8: 1553-1565
- Mamenchisaurus sinocanadorum**
 Vertebrata 10-11: 2082-2095
- Mammalia**
 Bovidae, Ontario 12: 2436-2447
 Fissipedia, Alaska 5: 1007-1013
 Mastodontidae
 New Brunswick 6: 1242-1253
 Nova Scotia 6: 1242-1253
 Multituberculata 8: 1613-1617
 Pinnipedia, Quebec 8: 1715-1719
- mammals**
 China, stratigraphy 10-11: 2180-2195
 Montana, paleomagnetism 9: 1981-1996
 Ontario, Quaternary 12: 2436-2447
- Mammut americanum**
 Quaternary 6: 1242-1253
- Mammutidae *see* Mastodontidae
- Manchurochelys**
 Vertebrata 10-11: 2139-2152
- Mandibulata *see* Insecta
- manganese**
 Yukon Territory, stratigraphy 9: 1870-1880
- Manitoba** *see also* Williston Basin
 hydrology 6: 1099-1109
- Manitou Falls Formation**
 uranium ores 4: 653-673
- Manitoulin Formation**
 sedimentary petrology 12: 2453-2464
- Mannville Group**
 oil sands 1: 94-102

- mantle** *see also* heat flow; hot spots; phase transitions; sea-floor spreading
 Alaska, geochemistry 5: 975-984
 Canada, geochronology 8: 1582-1593
 China, petrology 8: 1650-1659
 Labrador, geochemistry 6: 1141-1146
 Newfoundland, geochemistry 6: 1141-1146
 Ontario, tectonics 3: 647-650
Manville Formation *see* Mannville Group
- maps**
 bathymetric maps, Pacific Ocean 2: 278-300
 marbles *see* ophalcalcite
 margin, continental *see* continental margin
 marine sedimentation *see* glaciomarine sedimentation
- marine sediments**
 Alaska, Quaternary 1: 103-108; 3: 519-534
 Canada, tectonophysics 9: 1782-1798
 Northwest Territories 12: 2448-2452
 Quaternary 1: 103-108
 Quebec, Quaternary 3: 553-574; 7: 1390-1403
- marine terraces**
 Canada, Quaternary 8: 1676-1696
- marine transport**
 Northwest Territories 12: 2448-2452
- Maritime Provinces** *see* New Brunswick; Nova Scotia
- marshes** *see* salt marshes
- mass extinctions**
 British Columbia, stratigraphy 4: 819-831
 Yukon Territory, stratigraphy 9: 1870-1880
- mass movements** *see* landslides
- massive deposits**
 British Columbia, metal ores 1: 48-59
 Quebec, metal ores 9: 1934-1954
- massive sulfide deposits**
 Quebec, metal ores 9: 1934-1954
- Mastodontidae**
 New Brunswick, Quaternary 6: 1242-1253
 Nova Scotia, Quaternary 6: 1242-1253
- Matagami**
 Archean 1: 11-28
- Matapedia County Quebec**
 structural geology 3: 591-602
- Matinenda Formation**
 geochemistry 1: 60-76
 sedimentary petrology 6: 1209-1223
- Mattagami** *see* Matagami
- McCone County Montana**
 paleomagnetism 9: 1981-1996
- McWatters Quebec**
 geochemistry 7: 1521-1531
- Mealy Mountains Terrane**
 Proterozoic 12: 2315-2327
- Meguma Group**
 geochemistry 3: 449-464
- Meguma Zone**
 geochemistry 12: 2295-2304
 structural geology 12: 2495-2509
- melanite**
 Alberta, petrology 8: 1644-1649
- mesothermal processes**
 Newfoundland, gold ores 7: 1532-1546
 Quebec, gold ores 12: 2334-2351
- Mesozoic** *see also* Cretaceous; Jurassic;
 Triassic
 British Columbia 5: 918-927
 China 10-11: 2002-2012
 Newfoundland 8: 1594-1606
- metabasalt**
 British Columbia, metal ores 1: 48-59
 Quebec, geochemistry 12: 2283-2294
- metabasite**
 Ontario 5: 985-996
 Washington, structural geology 7: 1306-1323
- metaconglomerate**
 faults 9: 1773-1781
 Newfoundland, orogeny 9: 1759-1772
- metadiabase**
 Ontario, geochemistry 1: 60-76
- metadiorite**
 faults 9: 1773-1781
- metadolerite** *see* metadiabase
- metagabbro**
 Canada 1: 159-173
 Ontario, tectonics 3: 647-650
- metagranite**
 Labrador 12: 2423-2435
 Proterozoic 7: 1458-1469; 7: 1470-1489
 Minnesota, geochemistry 12: 2510-2522
 Newfoundland 12: 2423-2435
 Proterozoic 7: 1458-1469; 7: 1470-1489
 Nova Scotia, Proterozoic 1: 1-10
- metagneous rocks** *see also* metabasalt; metabasite; metadiabase; metadiorite; metagabbro; metakomatiite
 Iowa, Precambrian 6: 1275-1285
 Labrador, Proterozoic 12: 2315-2327
 Newfoundland 7: 1532-1546
 Proterozoic 12: 2315-2327
 Proterozoic 7: 1490-1504
 Quebec, Archean 1: 11-28
- metakomatiite**
 Quebec, geochemistry 6: 1110-1122
- metal ores** *see* base metals; chromite ores; copper ores; gold ores; lead-zinc deposits; polymetallic ores; silver ores; uranium ores; zinc ores
- metallogenesis** *see* metallogeny
- metallogenic epochs**
 Saskatchewan, uranium ores 4: 705-719
- metallogeny**
 Labrador, uranium ores 12: 2352-2365
 Newfoundland, uranium ores 12: 2352-2365
- metals** *see also* alkaline earth metals; gold; lead; manganese; platinum group; rare earths
 Manitoba, hydrology 6: 1099-1109
- metamorphic core complexes**
 British Columbia, structural geology 6: 1262-1274
- metamorphic processes**
 Northwest Territories, gold ores 8: 1566-1581
- metamorphic rocks**
 amphibolites, Quebec 6: 1110-1122
 eclogite, Canada 1: 159-173
- gneisses**
 British Columbia 5: 1076-1090
 faults 9: 1773-1781
 Iowa 6: 1275-1285
 Labrador 7: 1470-1489
 Minnesota 5: 913-917
 Newfoundland 7: 1470-1489
 Northwest Territories 4: 867-880
 Nova Scotia 3: 449-464; 3: 474-479
 Ontario 3: 647-650
 Quebec 5: 1056-1065; 9: 1970-1980
 Saskatchewan 4: 653-673; 4: 731-742
 Labrador, uranium ores 12: 2352-2365
- metabasalt**
 British Columbia 1: 48-59
 Quebec 12: 2283-2294
- metabasite**
 Ontario 5: 985-996
 Washington 7: 1306-1323
- metaconglomerate**
 faults 9: 1773-1781
 Newfoundland 9: 1759-1772
- metadiabase, Ontario**
 metadiorite, faults 1: 60-76
 metadiorite, faults 9: 1773-1781
- metagabbro**
 Canada 1: 159-173
 Ontario 3: 647-650
- metagranite**
 Labrador 7: 1458-1469
 7: 1470-1489; 12: 2423-2435
 Minnesota 12: 2510-2522
 Newfoundland 7: 1458-1469
 7: 1470-1489; 12: 2423-2435
 Nova Scotia 1: 1-10
- metagneous rocks**
 Iowa 6: 1275-1285
 Labrador 12: 2315-2327
 Newfoundland 7: 1532-1546; 12: 2315-2327
 Proterozoic 7: 1490-1504
 Quebec 1: 11-28
- metakomatiite, Quebec**
 6: 1110-1122
- metapelite**
 British Columbia 5: 1076-1090
 Ontario 5: 985-996
 Saskatchewan 4: 731-742
- metaplutonic rocks**
 Labrador 12: 2423-2435
 Minnesota 12: 2510-2522
 Newfoundland 12: 2423-2435
 Nova Scotia 6: 1147-1154
 Ontario 1: 29-41; 6: 1179-1196
 Quebec 1: 29-41
 1: 124-131; 7: 1505-1520
- metasandstone**
 Ontario 1: 60-76; 6: 1209-1223
 Saskatchewan 4: 674-688
- metasedimentary rocks**
 Canadian Shield 3: 465-473
 Iowa 6: 1275-1285
 Labrador 12: 2315-2327
 Morocco 7: 1332-1337
 Newfoundland 12: 2315-2327; 12: 2481-2494

- Northwest Territories 4: 867-880; 8: 1566-1581
- Nova Scotia 12: 2273-2282
- Ontario 12: 2475-2480
- Quebec 6: 1254-1261; 9: 1970-1980
- Saskatchewan 4: 653-673
- Venezuela 12: 2380-2388
- Wyoming 12: 2475-2480
- metavolcanic rocks
- Michigan 7: 1404-1414
- Nova Scotia 1: 1-10; 6: 1147-1154
- Ontario 1: 29-41; 6: 1179-1196
- Quebec 1: 11-28
1: 29-41; 6: 1110-1122;
7: 1505-1520; 7: 1521-1531; 9: 1934-1954; 9: 1970-1980; 12: 2283-2294
- mylonites
- Georgia 7: 1297-1305
- Saskatchewan 4: 653-673; 7: 1338-1354
- Newfoundland, uranium ores 12: 2352-2365
- ophicalcite, British Columbia 3: 631-643
- quartzites
- Canadian Shield 3: 465-473
- Ontario 12: 2523-2527
- schists, Washington 7: 1306-1323
- tonalite gneiss, Canadian Shield 1: 42-47
- metamorphism**
- burial metamorphism, Newfoundland 8: 1594-1606
- Canada 1: 159-173
- contact metamorphism
- Labrador 6: 1166-1178
- Newfoundland 6: 1166-1178
- epizonal metamorphism, Morocco 7: 1332-1337
- Georgia, structural geology 7: 1297-1305
- high-grade metamorphism
- Canadian Shield 3: 465-473
- Labrador 7: 1470-1489
- Newfoundland 7: 1470-1489
- Quebec 5: 1056-1065
- Labrador, Proterozoic 12: 2315-2327
- low-grade metamorphism
- Nova Scotia 6: 1147-1154
- Ontario 6: 1209-1223
- Venezuela 12: 2380-2388
- Michigan 7: 1404-1414
- Newfoundland, Proterozoic 12: 2315-2327
- polymetamorphism
- Iowa 6: 1275-1285
- Ontario 5: 985-996
- Washington 7: 1306-1323
- prograde metamorphism, Northwest Territories 4: 867-880; 8: 1566-1581
- Quebec, gold ores 12: 2334-2351
- regional metamorphism, Ontario 5: 985-996
- retrograde metamorphism
- Northwest Territories 8: 1566-1581
- Quebec 7: 1521-1531
- Saskatchewan 4: 674-688; 4: 720-730
- metapelite**
- British Columbia, geochemistry 5: 1076-1090
- Ontario 5: 985-996
- Saskatchewan, uranium ores 4: 731-742
- metaplutonic rocks**
- Labrador 12: 2423-2435
- Minnesota, geochemistry 12: 2510-2522
- Newfoundland 12: 2423-2435
- Nova Scotia, geochemistry 6: 1147-1154
- Ontario, Archean 1: 29-41; 6: 1179-1196
- Quebec 1: 124-131
1: 29-41
- Archean 1: 29-41
- geochemistry 7: 1505-1520
- metasandstone**
- Ontario 1: 60-76
- geochemistry 6: 1209-1223
- Saskatchewan, uranium ores 4: 674-688
- metasedimentary rocks** *see also* metaconglomerate; metapelite
- Canadian Shield, geochronology 3: 465-473
- Iowa, Precambrian 6: 1275-1285
- Labrador, Proterozoic 12: 2315-2327
- Morocco, structural geology 7: 1332-1337
- Newfoundland
- Proterozoic 12: 2315-2327
- tectonics 12: 2481-2494
- Northwest Territories 4: 867-880
- gold ores 8: 1566-1581
- Nova Scotia, geochemistry 12: 2273-2282
- Ontario, stratigraphy 12: 2475-2480
- Quebec
- Archean 9: 1970-1980
- Cambrian 6: 1254-1261
- Saskatchewan, uranium ores 4: 653-673
- Venezuela, stratigraphy 12: 2380-2388
- Wyoming, stratigraphy 12: 2475-2480
- metasomatism**
- hydrothermal alteration
- Michigan 7: 1404-1414
- Quebec 9: 1934-1954; 12: 2334-2351
- Saskatchewan 4: 674-688; 4: 689-704
- Ontario, tectonics 3: 647-650
- Quebec, geochemistry 6: 1110-1122
- metaturbidite**
- Nova Scotia, geochemistry 12: 2273-2282
- metavolcanic rocks**
- Michigan 7: 1404-1414
- Nova Scotia
- geochemistry 6: 1147-1154
- Proterozoic 1: 1-10
- Ontario, Archean 1: 29-41; 6: 1179-1196
- Quebec
- Archean 1: 11-28
1: 29-41; 9: 1970-1980
- geochemistry 6: 1110-1122
7: 1505-1520; 7: 1521-1531; 12: 2283-2294
- metal ores 9: 1934-1954
- methane**
- Quebec, natural gas 9: 1881-1885
- mica group *see* biotite; muscovite
- Michigan**
- petrology, Keweenaw County Michigan 7: 1404-1414
- Michigan Upper Peninsula *see* Keweenaw County Michigan
- microfossils *see* conodonts; foraminifers; palynomorphs; radiolarians
- microseismicity *see* seismicity
- microspherules**
- Alberta, sedimentary rocks 8: 1660-1667
- China, sedimentary rocks 8: 1660-1667
- Northwest Territories, sedimentary rocks 8: 1660-1667
- mid-ocean ridges** *see also* Juan de Fuca Ridge
- tectonophysics 5: 893-907
- Middle Devonian *see* Detroit River Group; Onondaga Limestone
- middle Proterozoic *see* Helikian
- Milankovitch theory**
- Atlantic Ocean, stratigraphy 2: 391-411
- Indian Ocean, stratigraphy 2: 391-411
- mineral deposits, genesis** *see also* geochemical controls; hydrogeological controls; hydrothermal processes; massive deposits; mesothermal processes; metallogenic epochs; metallogeny; metamorphic processes; ore-forming fluids; paragenesis; quartz veins; unconformity-type
- Alaska, gold ores 4: 764-768
- mineral exploration** *see also* geochemical methods; glaciated terrains; ore guides
- Canada, geophysical surveys 2: 243-260
- Ontario, metal ores 12: 2366-2379
- Quebec, gold ores 9: 1924-1933
- mineral sequence *see* paragenesis
- mineral soap *see* bentonite
- mineralogy *see* sheet silicates; sulfides
- Minnesota**
- geochemistry
- Itasca County Minnesota 12: 2510-2522
- Saint Louis County Minnesota 12: 2510-2522
- Proterozoic, Carlton County Minnesota 5: 913-917
- Miocene**
- Badenian, Poland 9: 1799-1814
- miogeosynclines**
- Canada, stratigraphy 12: 2404-2422
- United States, stratigraphy 12: 2404-2422
- miospores**
- New Brunswick, Quaternary 6: 1242-1253
- Northwest Territories, Quaternary 4: 851-866
- Nova Scotia 5: 1091-1098
- Quaternary 6: 1242-1253; 7: 1374-1384
- Ontario, Quaternary 12: 2436-2447
- Mira Terrane**
- geochemistry 6: 1147-1154
- Proterozoic 1: 1-10
- structural geology 12: 2495-2509
- mirrorstone *see* muscovite
- Miskeni Deposit**
- gold ores 8: 1553-1565
- mississippi valley-type**
- Northwest Territories, lead-zinc deposits 5: 1028-1036

- Mississippian**
 Banff Formation 12: 2404-2422
 Mn *see* manganese
Mohawk Valley
 Trilobita 8: 1618-1633
Mohorovicic discontinuity
 Alberta, tectonics 1: 77-93
 British Columbia 4: 787-805
 geophysical surveys 7: 1440-1452
 structural geology 12: 2389-2403
 tectonics 1: 77-93
mollusks
 Alaska, Quaternary 1: 103-108; 3: 519-534
 ammonoids, Saskatchewan 4: 769-775
 Northwest Territories, Quaternary 1: 103-108
monazite
 Labrador, Proterozoic 7: 1470-1489
 Newfoundland, Proterozoic 7: 1470-1489
 Quebec
 Archean 9: 1970-1980
 geochronology 5: 1056-1065
Mongolia
 Vertebrata 10-11: 2096-2100
Monograptina
 Northwest Territories, stratigraphy 3: 491-498
Monolophosaurus jiangi
 Vertebrata 10-11: 2027-2036
Montana
 geochronology
 Glacier County Montana 5: 1066-1075
 Lewis and Clark County Montana 5: 1066-1075
 Pondera County Montana 5: 1066-1075
 Teton County Montana 5: 1066-1075
 paleomagnetism
 Garfield County Montana 9: 1981-1996
 McCone County Montana 9: 1981-1996
 Quaternary 3: 535-552
 stratigraphy
 Flathead County Montana 12: 2404-2422
 Hill County Montana 1: 174-200
 Lincoln County Montana 12: 2404-2422
 Vertebrata
 Glacier County Montana 5: 997-1006
 Pondera County Montana 5: 997-1006
 Teton County Montana 5: 997-1006
Montgomery County New York
 Trilobita 8: 1618-1633
moraines
 New Zealand, Quaternary 9: 1861-1869
Morocco
 petroleum 5: 1049-1055
 structural geology 7: 1332-1337
 morphology *see* functional morphology
 muscovite *see* muscovite
mudstone
 Montana, Vertebrata 5: 997-1006
Multituberculata
 8: 1613-1617
muscovite
 Minnesota, Proterozoic 5: 913-917
muskox
 Ontario, Quaternary 12: 2436-2447
MVT *see* mississippi valley-type
mylonites
 Georgia, structural geology 7: 1297-1305
 Saskatchewan
 structural geology 7: 1338-1354
 uranium ores 4: 653-673
Nain Massif
 geochemistry 6: 1141-1146
 Proterozoic 6: 1166-1178
nannofossils
 Atlantic Ocean, stratigraphy 2: 391-411
 Indian Ocean, stratigraphy 2: 391-411
nappes
 Labrador, Proterozoic 7: 1470-1489
 Newfoundland, Proterozoic 7: 1470-1489
 nasturan *see* pitchblende
 native elements *see* diamond; graphite
 natural gas *see* methane
natural remanent magnetization
 Newfoundland, stratigraphy 4: 776-786
 Northwest Territories, lead-zinc deposits 5: 1028-1036
 Ontario, stratigraphy 9: 1886-1897
 Quebec, stratigraphy 9: 1886-1897
 stratigraphy 9: 1898-1913
 Venezuela, stratigraphy 12: 2380-2388
Navarin Basin
 geochemistry 5: 975-984
Nd-144/Nd-143
 Alaska, geochemistry 5: 975-984
 British Columbia
 geochemistry 1: 132-144; 5: 1076-1090
 metal ores 1: 48-59
 Labrador, geochemistry 6: 1141-1146
 Newfoundland, geochemistry 3: 434-448; 6: 1141-1146
 Nova Scotia, geochemistry 3: 449-464
 Nd/Sm *see* Sm/Nd
Needle Falls shear zone
 structural geology 7: 1338-1354
 Nei Mongol *see* Inner Mongolia China
Nelson Batholith
 geochronology 12: 2305-2314
neodymium
 Nd-144/Nd-143
 Alaska 5: 975-984
 British Columbia 1: 48-59
 1: 132-144; 5: 1076-1090
 Labrador 6: 1141-1146
 Newfoundland 3: 434-448; 6: 1141-1146
 Nova Scotia 3: 449-464
 Sm-147/Nd-144, Newfoundland 3: 434-448
 Neogene *see* Miocene; Pliocene
Neoplagiulacidae
 Vertebrata 8: 1613-1617
Neornithes
 China 10-11: 2177-2179
nephelization
 Ontario, tectonics 3: 647-650
 nesosilicates *see* cohnite; garnet group; titanite; zircon
New Brunswick
 Quaternary 1: 201; 6: 1242-1253
 tectonics 7: 1324-1331
 New Quebec *see* Ungava
New Quebec Orogeny
 geochemistry 7: 1505-1520
New York *see also* Onondaga Limestone
 Quaternary 9: 1829-1845
 Trilobita
 Mohawk Valley 8: 1618-1633
 Montgomery County New York 8: 1618-1633
 New Zealand *see* South Island
Newfoundland *see also* Labrador
 Devonian 12: 2328-2333
 geochemistry 3: 434-448
 geochronology, Great Northern Peninsula 8: 1594-1606
 gold ores 7: 1532-1546
 orogeny
 Humber Arm Allochthon 9: 1759-1772
 Port au Port Peninsula 9: 1759-1772
 Silurian, Avalon Peninsula 8: 1607-1612
 stratigraphy 3: 644-646
 Port au Port Peninsula 4: 776-786
 structural analysis, Notre Dame Bay 7: 1547-1552
 structural geology, Burin Peninsula 12: 2495-2509
 tectonics 12: 2481-2494
 tectonophysics 2: 261-277
 Newfoundland Island *see* Avalon Peninsula; Burin Peninsula; Great Northern Peninsula; Humber Arm Allochthon; Notre Dame Bay; Port au Port Peninsula
Niagara Escarpment
 geomorphology 5: 945-953
Niagara Peninsula
 geomorphology 5: 945-953
 Nipissing *see* Nipissing District Ontario
Nipissing Diabase
 geochemistry 6: 1123-1140
Nipissing District Ontario
 geochemistry 6: 1123-1140
Noranda Quebec
 Archean 1: 29-41
 metal ores 9: 1934-1954
 North Africa *see* Morocco
North America *see also* Appalachians; Canadian Shield; Coast Mountains; Great Lakes; Great Lakes region; Western Interior
 faults 5: 1014-1027
 geochemistry
 Avalon Terrane 6: 1147-1154; 12: 2273-2282
 Kootenay Arc 5: 1076-1090
 geochronology 12: 2305-2314
 geomorphology, Niagara Escarpment 5: 945-953
 Mesozoic 10-11: 2002-2012
 metal ores 1: 48-59
 natural gas, Saint Lawrence Lowlands 9: 1881-1885
 Proterozoic
 Avalon Terrane 1: 1-10; 3: 474-479
 Lake Superior region 5: 913-917
 Quaternary, Saint Lawrence Lowlands 8: 1715-1719; 8: 1730-1740
 stratigraphy 4: 776-786
 structural geology 2: 209-231
 3: 631-643; 6: 1262-1274
 Avalon Terrane 12: 2495-2509
 tectonics 1: 77-93
 Williston Basin 3: 621-630

- North American Atlantic *see* Frobisher Bay;
Gulf of Saint Lawrence; Labrador Sea
- North American Cordillera *see* Canadian
Cordillera
- North American Pacific *see* Queen Charlotte
Basin
- North American Plate**
- British Columbia, tec-
tonophysics 4: 787-805
- stratigraphy 5: 1037-1048
- North Atlantic *see* North American Atlantic
- North Devon Island *see* Devon Island
- North Polar Sea *see* Arctic Ocean
- North River Domain**
- Proterozoic 7: 1470-1489
- North Slope**
- Vertebrata 5: 1007-1013
- Northwest Territories**
- Arctic Archipelago 12: 2448-2452
- Eocene
- Arctic Archipelago 9: 1914-1923
- Axel Heiberg Island 9: 1914-1923
- gold ores, Lupin Mine 8: 1566-1581
- Invertebrata
- Arctic Archipelago 8: 1634-1643
- Cornwallis Island 8: 1634-1643
- Jurassic
- Arctic Archipelago 2: 301-320
- Sverdrup Basin 2: 301-320
- lead-zinc deposits, Pine
Point mining district 5: 1028-1036
- permafrost 3: 509-518
- petrology
- Arctic Archipelago 4: 867-880
- Ellesmere Island 4: 867-880
- Quaternary
- Arctic Archipelago 5: 928-944
5: 954-974; 8: 1708-
1714; 8: 1749-1758
- Ellesmere Island 8: 1708-1714
- Mackenzie District North-
west Territories 4: 851-866; 8: 1720-
1729
- Tuktoyaktuk Peninsula 1: 103-108
- sedimentary rocks 8: 1660-1667
- stratigraphy
- Arctic Archi-
pelago 3: 491-498; 12: 2465-
2474
- Cornwallis Island 3: 491-498
- Devon Island 3: 491-498
- Ellesmere Island 12: 2465-2474
- structural geology, Arctic Ar-
chipelago 3: 603-620
- Notre Dame Bay**
- structural analysis 7: 1547-1552
- Nova Scotia *see also* Horton Group;**
- Meguma Group
- geochemistry 12: 2295-2304
- Antigonish County Nova
Scotia 12: 2273-2282
- Cape Breton Island 6: 1147-1154
- Proterozoic
- Cape Breton Island 1: 1-10
- Cobequid Highlands 3: 474-479
- Quaternary 6: 1242-1253; 7: 1374-
1384
- structural geology, Cape
Breton Island 12: 2495-2509
- tectonophysics 9: 1782-1798
- NRM *see* natural remanent magnetization
- Ny Alesund Svalbard**
- Quaternary 4: 806-813
- O *see* oxygen
- O-16/O-18 *see* O-18/O-16
- O-18**
- Arctic region, Quaternary 4: 806-813
- Spitsbergen, Quaternary 4: 806-813
- O-18/O-16 *see also* geologic thermometry**
- Atlantic Ocean 7: 1385-1389
- geochemistry 1: 109-112
- Quebec, metal ores 9: 1934-1954
- Saskatchewan, metal ores 4: 689-704
- Yukon Territory, stratigra-
phy 9: 1870-1880
- Oak Hill Group**
- Cambrian 6: 1254-1261
- obliquity of the ecliptic**
- Atlantic Ocean, stratigraphy 2: 391-411
- Indian Ocean, stratigraphy 2: 391-411
- ocean crust *see* oceanic crust
- Ocean Drilling Program *see also* Leg 105**
- stratigraphy 2: 391-411
- ocean floors *see* bathymetric maps
- ocean ridges *see* mid-ocean ridges
- ocean-floor spreading *see* sea-floor spreading
- oceanic crust**
- Newfoundland 2: 261-277
- oceanography *see* continental margin; conti-
nental shelf; ocean floors; reefs; sedimen-
tation; sediments
- octahedral iron ore *see* magnetite
- Odobenus rosmarus**
- Quaternary 8: 1715-1719
- ODP *see* Ocean Drilling Program
- ODP Site 645** 12: 2448-2452
- ODP Site 646**
- Quaternary 7: 1385-1389
- Ohio**
- Quaternary
- Ashtabula County Ohio 6: 1236-1241
- Cuyahoga County Ohio 6: 1236-1241
- Erie County Ohio 6: 1236-1241
- Lake County Ohio 6: 1236-1241
- Lorain County Ohio 6: 1236-1241
- Ottawa County Ohio 6: 1236-1241
- oil and gas *see* petroleum
- oil sands**
- Alberta 1: 94-102
- Okanogan County Washington**
- structural geology 7: 1306-1323
- Oldman Formation** 1: 174-200
- olivine gabbro**
- Ontario, stratigraphy 9: 1886-1897
- Quebec, stratigraphy 9: 1886-1897
- Omineca Belt**
- geochemistry 5: 1076-1090
- Onondaga Limestone** 12: 2465-2474
- Ontario *see also* Abitibi Belt; Central
Metasedimentary Belt; Detroit River
Group; Hudson Bay Lowlands; Niagara
Escarpment; Superior Province; Whirl-
pool Sandstone**
- Archean
- Kenora District Ontario 6: 1179-1196
- Kirkland Lake Ontario 1: 29-41
- geochemistry 1: 60-76; 1: 145-158
- Nipissing District Ontario 6: 1123-1140
- non-metal deposits, Thunder
Bay District Ontario 9: 1955-1969
- petrology, Hemlo Deposit 5: 985-996
- Quaternary, Essex County
Ontario 12: 2436-2447
- sedimentary petrology 12: 2453-2464
- Blind River Ontario 6: 1209-1223
- Elliot Lake Ontario 6: 1209-1223
- stratigraphy 12: 2475-2480
- ophicalcite**
- British Columbia, structural
geology 3: 631-643
- ophiolite complexes**
- British Columbia, structural
geology 3: 631-643
- China, petrology 8: 1650-1659
- Newfoundland
geochemistry 3: 434-448
- gold ores 7: 1532-1546
- Ordos Basin**
- Vertebrata 10-11: 2128-2138
10-11: 2139-2152; 10-
11: 2153-2162; 10-11:
2163-2173; 10-11:
2174-2176; 10-11:
2177-2179
- Ordosemys leios**
- Vertebrata 10-11: 2128-2138
- Ordovician** 9: 1773-1781
- Beekmantown Group, natu-
ral gas 9: 1881-1885
- Meguma Group, geochemis-
try 3: 449-464
- Morocco 7: 1332-1337
- New York 8: 1618-1633
- Newfoundland 9: 1759-1772
- Yukon Territory 9: 1870-1880
- ore exploration *see* mineral exploration
- ore guides**
- Saskatchewan, uranium ores 4: 754-763
- ore of sedimentation *see* placers
- ore-forming fluids**
- France, zinc ores 1: 113-123
- Newfoundland, gold ores 7: 1532-1546
- Saskatchewan, uranium ores 4: 731-742
- ores, polymetallic *see* polymetallic ores
- organic materials *see also* bitumens**
- Canada, Quaternary 8: 1676-1696
- methane, Quebec 9: 1881-1885
- Ontario, Quaternary 12: 2436-2447
- organic mound *see* bioherms
- organic residues *see* coal; oil sands; peat
- Ornithischia *see also* Ceratopsia;**
- Hadrosauridae
- China 10-11: 2163-2173; 10-
11: 2174-2176
- palynomorphs 10-11: 2101-2106
- Far East 10-11: 2096-2100
- orogenesis *see* orogeny
- orogenic belts**
- Ontario, Proterozoic 12: 2523-2527
- orogeny *see also* Acadian Phase; Caledonian
Orogeny; Grenvillian Orogeny; Kenoran
Orogeny; Penokean Orogeny; Taconic
Orogeny; transpression**
- Georgia 7: 1297-1305
- Newfoundland, Silurian 8: 1607-1612
- orthosilicates *see* nesosilicates
- os *see* eskers

- Ottawa County Ohio**
Quaternary 6: 1236-1241
- Ottawa Graben**
Cambrian 6: 1254-1261
- Otter Creek Complex**
Precambrian 6: 1275-1285
- Outer Mongolia *see* Mongolia
- oxides *see* baddeleyite; hematite; magnetite; pitchblende; rutile; uraninite
- oxygen**
O-18
Arctic region 4: 806-813
Spitsbergen 4: 806-813
O-18/O-16
Atlantic Ocean 7: 1385-1389
geochemistry 1: 109-112
Quebec 9: 1934-1954
Saskatchewan 4: 689-704
Yukon Territory 9: 1870-1880
Saskatchewan, metal ores 4: 743-753
- P-waves**
British Columbia, structural geology 12: 2389-2403
- Pacific Ocean** *see also* West Pacific
geophysical surveys, Queen Charlotte Basin 7: 1427-1439; 7: 1440-1452
petroleum, Queen Charlotte Basin 5: 918-927
tectonophysics
Juan de Fuca Ridge 2: 278-300
Queen Charlotte Basin 4: 787-805
- Pacific Plate**
British Columbia, tectonophysics 4: 787-805
- paleo-oceanography**
Alaska, Quaternary 3: 519-534
Quebec, Quaternary 7: 1390-1403
- paleobiogeography *see* biogeography
- paleobotany *see* palynomorphs
- Paleocene** *see also* Laramide Orogeny;
Paskapoo Formation
British Columbia 12: 2305-2314
K-T boundary, Montana 9: 1981-1996
Puerca, Montana 9: 1981-1996
Tullock Member 9: 1981-1996
Washington 7: 1306-1323
- paleoclimatology** *see also* C-13/C-12; glaciation; O-18/O-16
China, sedimentation 10-11: 2196-2213
New Brunswick, Quaternary 6: 1242-1253
Northwest Territories, Quaternary 5: 954-974
Nova Scotia, Quaternary 6: 1242-1253
Ontario, geochemistry 1: 60-76
- paleoecology** *see also* biogeography;
changes of level; reefs
Alberta, oil sands 1: 94-102
Canada 12: 2404-2422
China 10-11: 2101-2106; 10-11: 2180-2195
Montana 5: 997-1006
New Brunswick, Quaternary 6: 1242-1253
Northwest Territories 9: 1914-1923
Quaternary 5: 954-974
Nova Scotia, Quaternary 6: 1242-1253
United States 12: 2404-2422
Yukon Territory 9: 1870-1880
Paleogene *see* Eocene; Paleocene
- paleogeography** *see also* basins; changes of level; geosynclines; transgression
China 10-11: 2180-2195
sedimentation 10-11: 2196-2213
Montana, geochronology 5: 1066-1075
Newfoundland 3: 644-646; 4: 776-786
Nova Scotia, Proterozoic 3: 474-479
Quebec 6: 1254-1261
- paleolatitude**
Newfoundland 3: 644-646; 4: 776-786
- paleolimnology** *see* glacial lakes
- paleomagnetism** *see also* depositional remanent magnetization; magnetic anomalies; magnetic declination; magnetic inclination; magnetic intensity; magnetostratigraphy; natural remanent magnetization; polar wandering; pole positions; remanent magnetization; thermoremanent magnetization; viscous remanent magnetization
Atlantic Ocean 2: 391-411
Indian Ocean 2: 391-411
- paleontology** *see* ichnofossils; Reptilia; Trilobita
- paleosalinity**
Quebec, Quaternary 7: 1390-1403
- Paleosols**
British Columbia, Quaternary 4: 832-840
Northwest Territories, Quaternary 4: 851-866
Ontario, geochemistry 1: 60-76
- Paleozoic** *see also* Cambrian; Carboniferous; Devonian; Ordovician; Permian; Silurian
British Columbia 3: 631-643
Caledonian Orogeny, Morocco 7: 1332-1337
Horton Group 5: 1091-1098
Newfoundland 8: 1594-1606
Northwest Territories 4: 867-880
Taconic Orogeny, Newfoundland 9: 1759-1772
- Palliser Formation** 12: 2404-2422
- palynomorphs** *see also* pollen
dinoflagellates
Alaska 1: 103-108
Atlantic Ocean 2: 391-411; 7: 1385-1389
Indian Ocean 2: 391-411
Northwest Territories 1: 103-108
miospores
New Brunswick 6: 1242-1253
Northwest Territories 4: 851-866
Nova Scotia 5: 1091-1098
6: 1242-1253; 7: 1374-1384
Ontario 12: 2436-2447
- Pangaea**
China, Mesozoic 10-11: 2002-2012
- paragenesis**
Saskatchewan, uranium ores 4: 720-730
- Paskapoo Formation**
Vertebrata 4: 814-818
- Pb *see* lead
- Pb-206/Pb-207 *see* Pb-207/Pb-206
- Pb-207/Pb-204**
Alaska, geochemistry 5: 975-984
- Pb-207/Pb-206**
Saskatchewan, uranium ores 4: 754-763
- Pb-208/Pb-206**
Saskatchewan, uranium ores 4: 754-763
- Pb/Pb**
British Columbia, metal ores 1: 48-59
Canada, geochronology 8: 1582-1593
Labrador
Proterozoic 12: 2315-2327
uranium ores 12: 2352-2365
Newfoundland
Proterozoic 12: 2315-2327
uranium ores 12: 2352-2365
Ontario, metal ores 12: 2366-2379
Saskatchewan, uranium ores 4: 720-730; 4: 731-742
- Pearry Terrane**
petrology 4: 867-880
- peat**
Alaska, Quaternary 1: 103-108
British Columbia, Quaternary 4: 832-840
Northwest Territories
Eocene 9: 1914-1923
Quaternary 1: 103-108; 5: 954-974
- Pedro Dome**
gold ores 4: 764-768
- pegmatite**
Ontario, geochronology 6: 1155-1165
- pelagic sedimentation**
Atlantic Ocean, stratigraphy 2: 391-411
Indian Ocean, stratigraphy 2: 391-411
- pelite *see* shale
- Pennsylvanian** 9: 1898-1913
- Penokean Orogeny**
Minnesota 5: 913-917
Ontario 12: 2523-2527
- peridotites**
China 8: 1650-1659
periglacial features *see* ice wedges
- permafrost** *see also* frost action; ice wedges
Northwest Territories, Quaternary 8: 1708-1714
- Permian** 9: 1898-1913
Newfoundland 4: 776-786
- petrofabrics**
Saskatchewan, structural geology 7: 1338-1354
- petrogeometry *see* structural analysis
- petroleum** *see also* natural gas; petroleum exploration; structural traps
Canada, tectonophysics 9: 1782-1798
Morocco 5: 1049-1055
- petroleum exploration** *see also* structural traps
Canada 2: 321-332
- petrology *see* fluid inclusions; intrusions; lava; magmas; metamorphic rocks; metamorphism; metasomatism; phase equilibria; volcanism
- petromorphology *see* structural analysis
- petrostratigraphy *see* lithostratigraphy
- Phacelostylophyllum**
stratigraphy 4: 819-831
- phase equilibria *see* magmas
- phase transitions** 5: 881-892
- phonolites**
Alberta 8: 1644-1649
- phosphates *see* apatite; monazite; xenotime
- phyllosilicates *see* sheet silicates
- phytogeography *see* biogeography

- Piedmont**
structural geology 7: 1297-1305
Pine Point District *see* Pine Point mining district
- Pine Point Formation**
lead-zinc deposits 5: 1028-1036
- Pine Point mining district**
lead-zinc deposits 5: 1028-1036
- Pingfengshan China**
Vertebrata 10-11: 2013-2026
- Pinnacle Formation**
Cambrian 6: 1254-1261
- Pinnipedia**
Quebec, Quaternary 8: 1715-1719
- Pipstone Pond Complex**
geochemistry 3: 434-448
- Pistol Lake Deposit**
gold ores 8: 1566-1581
pitchblende *see* uranium ores
- placers**
Quebec, Quaternary 3: 553-574
- plagioclase**
Labrador, Proterozoic 6: 1166-1178
Montana, geochronology 5: 1066-1075
Newfoundland, Proterozoic 6: 1166-1178
Saskatchewan, geochronology 4: 769-775
- plagioclasite *see* anorthosite
- plagiogranite**
Newfoundland, geochemistry 3: 434-448
- planar bedding structures *see* cross-bedding;
cross-stratification; laminations; rhythmites
- plants**
Northwest Territories, Eocene 9: 1914-1923
Ontario, Quaternary 12: 2436-2447
- plaster stone *see* gypsum
- plate collision**
British Columbia, structural geology 12: 2389-2403
China, petrology 8: 1650-1659
Labrador, Proterozoic 7: 1470-1489
Newfoundland, Proterozoic 7: 1470-1489
Ontario, geochronology 6: 1155-1165
Quebec, geochemistry 12: 2283-2294
- plate rotation**
stratigraphy 5: 1037-1048
- plate tectonics** *see also* back-arc basins; continental crust; continental drift; continental margin; Farallon Plate; geosynclines; hot spots; island arcs; metamorphic core complexes; North American Plate; ophiolite complexes; Pacific Plate; plate collision; sea-floor spreading; spreading centers; subduction; terranes; transform faults; transpression
Northwest Territories, Jurassic 2: 301-320
- platinum group *see* iridium
- Pleistocene**
Alaska 3: 519-534; 5: 1007-1013
Champlain Sea, Quaternary 8: 1715-1719
Lake Maumee, Ontario 12: 2436-2447
New York 9: 1829-1845
Quebec 8: 1730-1740; 9: 1881-1885
- Sangamonian
New Brunswick 6: 1242-1253
Nova Scotia 6: 1242-1253
Wisconsinan 4: 841-850
Canada 8: 1676-1696
- Pliocene**
Alaska 3: 519-534
- plutonic rocks** *see also* diabase; diorites; gabbros; granites; lamprophyres; syenites; ultramafics
British Columbia, faults 5: 1014-1027
- plutons**
Alaska, gold ores 4: 764-768
British Columbia, geochronology 12: 2305-2314
Canadian Shield, Archean 1: 42-47
Labrador 12: 2423-2435
geochemistry 6: 1141-1146
Proterozoic 12: 2315-2327
Minnesota, geochemistry 12: 2510-2522
Newfoundland 12: 2423-2435
Devonian 12: 2328-2333
geochemistry 6: 1141-1146
Proterozoic 12: 2315-2327
Nova Scotia 3: 449-464
Proterozoic 1: 1-10
Ontario, Archean 1: 29-41; 6: 1179-1196
Quebec 1: 124-131
Archean 1: 11-28; 1: 29-41
gold ores 9: 1924-1933
stratigraphy 5: 1037-1048
Washington, structural geology 7: 1306-1323
- podiform deposits**
China, petrology 8: 1650-1659
- Poland**
sedimentation, Swietzy Krzyz Mountains 9: 1799-1814
- polar wandering**
Ontario, stratigraphy 9: 1886-1897
Quebec, stratigraphy 9: 1886-1897
stratigraphy 9: 1898-1913
Arizona, stratigraphy 7: 1415-1426
Michigan, petrology 7: 1404-1414
Newfoundland, stratigraphy 3: 644-646; 4: 776-786
Northwest Territories, lead-zinc deposits 5: 1028-1036
Ontario, Proterozoic 6: 1286-1296
Quebec, Proterozoic 6: 1286-1296
- pole shifting *see* polar wandering
- pollen**
Atlantic Ocean, Quaternary 7: 1385-1389
China, palynomorphs 10-11: 2101-2106
New Brunswick, Quaternary 6: 1242-1253
Northwest Territories, Quaternary 4: 851-866
Nova Scotia, Quaternary 6: 1242-1253; 7: 1374-1384
Ontario, Quaternary 12: 2436-2447
- pollution**
Manitoba, hydrology 6: 1099-1109
- polymetallic ores**
Quebec 9: 1934-1954
- polymetamorphism**
Iowa, Precambrian 6: 1275-1285
Ontario 5: 985-996
- Washington, structural geology 7: 1306-1323
- Pondera County Montana**
geochronology 5: 1066-1075
Vertebrata 5: 997-1006
- Pontiac County Quebec**
geochemistry 6: 1110-1122
- Pontiac Group**
geochemistry 7: 1521-1531
- Pontiac Subprovince**
Archean 9: 1970-1980
geochemistry 6: 1110-1122
- Port au Port Peninsula**
orogeny 9: 1759-1772
stratigraphy 4: 776-786
- Port Bruce Stade**
Quaternary 6: 1236-1241
- Portage Lake Lava Series**
petrology 7: 1404-1414
- positions, pole *see* pole positions
- Postglacial *see* Holocene
- potash mica *see* muscovite
- potassium-argon *see* K/Ar
- Precambrian** *see also* Archean; upper Precambrian
Flinton Group 3: 465-473
Grenvillian Orogeny
Canada 1: 159-173
Labrador 7: 1458-1469; 12: 2315-2327
Newfoundland 7: 1458-1469; 12: 2315-2327
Ontario 6: 1155-1165
Quebec 5: 1056-1065; 7: 1453-1457
- Hudsonian Orogeny, Saskatchewan 4: 731-742; 7: 1338-1354
Iowa 6: 1275-1285
- Kenoran Orogeny**
Ontario 6: 1123-1140
Quebec 1: 11-28; 6: 1110-1122
Newfoundland 12: 2495-2509
Nipissing Diabase, geochemistry 6: 1123-1140
Nova Scotia 12: 2495-2509
Ontario 9: 1955-1969
- Penokean Orogeny**
Minnesota 5: 913-917
Ontario 12: 2523-2527
- Purcell System, petrology** 8: 1644-1649
Quebec 12: 2334-2351
- Precambrian Shield *see* Canadian Shield
- preferred orientation**
structural analysis 7: 1355-1362
- pressure wave *see* P-waves
- Pridolian**
Newfoundland 4: 776-786
- primary wave *see* P-waves
- Prince Albert Saskatchewan**
Quaternary 6: 1224-1235
- Pristiograptus**
stratigraphy 3: 491-498
- Proboscidea *see* Mastodontoidea
- Proetidae**
Northwest Territories 8: 1634-1643
- prograde metamorphism**
Northwest Territories 4: 867-880
gold ores 8: 1566-1581

- Proterozoic** 7: 1490-1504
- Aphebian, Canada 8: 1582-1593
- Arizona 7: 1415-1426
- Athabasca Formation, uranium ores 4: 653-673
- Helikian, Saskatchewan 4: 653-673
- Huronian Ontario 1: 60-76
- 6: 1209-1223; 12: 2475-2480
- Wyoming 12: 2475-2480
- Labrador 6: 1141-1146
- 6: 1166-1178; 7: 1458-1469; 7: 1470-1489; 12: 2315-2327; 12: 2352-2365; 12: 2423-2435
- Minnesota 5: 913-917
- Newfoundland 6: 1141-1146
- 6: 1166-1178; 7: 1458-1469; 7: 1470-1489; 12: 2315-2327; 12: 2352-2365; 12: 2423-2435
- Nova Scotia 1: 1-10
- 3: 474-479; 12: 2273-2282
- Ontario 6: 1123-1140
- 6: 1286-1296; 9: 1886-1897; 12: 2523-2527
- Portage Lake Lava Series, petrology 7: 1404-1414
- Quebec 6: 1286-1296
- 7: 1453-1457; 7: 1505-1520; 9: 1886-1897
- Saskatchewan 4: 674-688
- 4: 689-704; 4: 705-719; 4: 720-730
- Venezuela 12: 2380-2388
- Wollaston Group, uranium ores 4: 653-673
- Protista** 8: 1715-1719
- Thecamoeba, Quebec 8: 1715-1719
- Proto-Atlantic Ocean *see* Iapetus
- Protoceratops** 10-11: 2248-2254
- Vertebrata 10-11: 2248-2254
- psammite *see* sandstone
- pseudogalenite *see* sphalerite
- Psittacosaurus** 10-11: 2101-2106
- palynomorphs 10-11: 2096-2100
- Vertebrata 10-11: 2096-2100
- Ptychopariida *see* Proetidae
- Puercan** 9: 1981-1996
- Montana 9: 1981-1996
- Purcell System** 8: 1644-1649
- petrology 8: 1644-1649
- push-pull wave *see* P-waves
- pyroclastics *see* tuff
- pyrolysis *see* Rock-Eval
- pyroxene group *see* clinopyroxene
- Qigu Formation** 10-11: 2013-2026
- Vertebrata 10-11: 2013-2026
- quartz** 12: 2423-2435
- Labrador, petrology 12: 2423-2435
- Newfoundland, petrology 12: 2423-2435
- structural analysis 7: 1355-1362
- quartz monzonite** 12: 2305-2314
- British Columbia, geochronology 12: 2305-2314
- quartz veins**
- Ontario 12: 2366-2379
- metal ores 12: 2366-2379
- non-metal deposits 9: 1955-1969
- Quebec, gold ores 3: 413-419
- 9: 1924-1933; 12: 2334-2351
- Saskatchewan, structural geology 7: 1338-1354
- quartzites**
- Canadian Shield, geochronology 3: 465-473
- Ontario, Proterozoic 12: 2523-2527
- Quaternary** *see also* Holocene; Pleistocene
- Alaska 5: 975-984
- Atlantic Ocean 7: 1385-1389
- British Columbia 9: 1815-1828
- Canada 2: 354-371
- New Brunswick 1: 201
- New Zealand 9: 1861-1869
- Quebec 1: 201
- 3: 553-574; 7: 1390-1403
- Saskatchewan 3: 420-433
- Washington 9: 1815-1828
- Quebec** *see also* Abitibi Belt; Beekmantown Group; Champlain Sea; Grenville Province; Labrador Trough; Pinnacle Formation; Saint Lawrence Lowlands; Superior Province; Ungava
- Archean 1: 11-28
- Chibougamau Quebec 1: 11-28
- Matagami 1: 11-28
- Noranda Quebec 1: 29-41
- geochemistry 12: 2283-2294
- Pontiac County Quebec 6: 1110-1122
- gold ores 3: 413-419
- Sigma Mine 3: 413-419
- Val d'Or Quebec 9: 1924-1933; 12: 2334-2351
- metal ores, Noranda Quebec 9: 1934-1954
- Quaternary 1: 201
- Gaspe Peninsula 7: 1390-1403
- 8: 1697-1707; 9: 1853-1860
- Sept-Iles Quebec 3: 553-574
- structural geology 3: 591-602; 7: 1363-1373
- Gaspe Peninsula 3: 591-602; 7: 1363-1373
- Matapedia County Quebec 3: 591-602
- Queen Charlotte Basin** 7: 1427-1439; 7: 1440-1452
- geophysical surveys 7: 1427-1439; 7: 1440-1452
- petroleum 5: 918-927
- tectonophysics 4: 787-805
- radioactive isotopes *see* C-14; Pb-207/Pb-204; Sm-147/Nd-144; U-238/U-234
- radioactivity** 8: 1730-1740
- Quebec, Quaternary 8: 1730-1740
- radiocarbon dating *see* C-14
- radiolarians** 9: 1898-1913
- stratigraphy 9: 1898-1913
- Rainy Ridge Sill** 8: 1644-1649
- petrology 8: 1644-1649
- rare earths** *see also* cerium
- British Columbia, geochronology 12: 2305-2314
- Labrador, uranium ores 12: 2352-2365
- Newfoundland, uranium ores 12: 2352-2365
- Nova Scotia, geochemistry 12: 2273-2282
- Ontario, geochemistry 1: 145-158; 6: 1123-1140
- Quebec geochemistry 6: 1110-1122
- 7: 1505-1520; 7: 1521-1531; 12: 2283-2294
- metal ores 9: 1934-1954
- rate of sedimentation *see* sedimentation rates
- Rb/Sr**
- Canada, geochronology 8: 1582-1593
- Labrador, geochemistry 6: 1141-1146
- Newfoundland, geochemistry 6: 1141-1146
- Saskatchewan geochronology 4: 769-775
- uranium ores 4: 731-742
- Recent** *see* Holocene
- recumbent folds** 7: 1324-1331
- New Brunswick 7: 1324-1331
- red beds** 10-11: 2196-2213
- China 10-11: 2180-2195
- stratigraphy 10-11: 2180-2195
- Newfoundland, stratigraphy 3: 644-646
- Red Deer Hill** 6: 1224-1235
- Quaternary 6: 1224-1235
- Red Lake** 12: 2366-2379
- metal ores 12: 2366-2379
- redbeds *see* red beds
- reefs** *see also* bioherms
- Ontario 3: 575-590
- Silurian 3: 575-590
- structural geology 8: 1668-1673
- regional metamorphism** 5: 985-996
- Ontario 5: 985-996
- regolith** 1: 60-76
- Ontario, geochemistry 1: 60-76
- remanent magnetization** *see also* depositional remanent magnetization; isothermal remanent magnetization; natural remanent magnetization; thermoremanent magnetization; viscous remanent magnetization
- Great Lakes, Quaternary 8: 1741-1748
- remote sensing** 8: 1720-1729
- Northwest Territories, Quaternary 8: 1720-1729
- Ontario, structural geology 8: 1668-1673
- Reptilia** *see also* dinosaurs
- Ceratopsidae, China 10-11: 2248-2254
- Chelonia 10-11: 2013-2026
- China 10-11: 2128-2138; 10-11: 2139-2152; 10-11: 2214-2223
- Uzbekistan 10-11: 2214-2223
- Eosuchia, China 10-11: 2153-2162
- Hadrosauridae, Montana 5: 997-1006
- Ichthyosauria 3: 486-490
- British Columbia 3: 486-490
- England 6: 1197-1204
- Ornithischia 10-11: 2101-2106
- China 10-11: 2101-2106

- 10-11: 2163-2173; 10-11: 2174-2176
 Far East 10-11: 2096-2100
 Sauropoda, China 10-11: 2082-2095
 Theropoda
 Alberta 10-11: 2231-2247; 10-11: 2255-2272
 China 10-11: 2027-2036
 10-11: 2037-2081; 10-11: 2107-2127; 10-11: 2224-2230
 South Dakota 10-11: 2255-2272
 Uzbekistan 10-11: 2255-2272
- retrograde metamorphism**
 Northwest Territories, gold ores 8: 1566-1581
 Quebec, geochemistry 7: 1521-1531
 Saskatchewan, uranium ores 4: 674-688; 4: 720-730
- Retty Lake**
 geochronology 8: 1582-1593
- reverse faults**
 Newfoundland 9: 1759-1772
 Quebec 7: 1363-1373
- reverse slip faults *see* thrust faults
 rhyacolite *see* sanidine
rhyolites
 Quebec, metal ores 9: 1934-1954
- rhytmite**
 British Columbia, Quaternary 9: 1815-1828
 Washington, Quaternary 9: 1815-1828
- right-lateral faults**
 British Columbia 6: 1262-1274
 Newfoundland 7: 1547-1552; 12: 2481-2494
 Quebec 3: 591-602; 7: 1363-1373
 Saskatchewan 7: 1338-1354
- ring silicates *see* cordierite; tourmaline
ripple marks
 Ontario 12: 2453-2464
- Rock-Eval**
 Saskatchewan, metal ores 4: 743-753
- rock-stratigraphy *see* lithostratigraphy
Rocky Mountains
 stratigraphy, Canadian Rocky Mountains 12: 2404-2422
- Roraima Formation**
 stratigraphy 12: 2380-2388
- Rorringtoniidae**
 Invertebrata 8: 1634-1643
- Rosholt method**
 Quaternary 8: 1730-1740
- Ross Lake fault zone**
 structural geology 7: 1306-1323
- rubberrock *see* breccia
 rubidium-strontium *see* Rb/Sr
- Rugosa**
 British Columbia, stratigraphy 4: 819-831
- Ruminantia *see* Bovidae
rutile
 Quebec, geochronology 5: 1056-1065
- S-34/S-32**
 Ontario, non-metal deposits 9: 1955-1969
 Saguenay County Quebec *see* Sept-Iles Quebec
- Saint Flavien Quebec**
 natural gas 9: 1881-1885
- Saint Lawrence Granite**
 Devonian 12: 2328-2333
- Saint Lawrence Lowlands**
 natural gas 9: 1881-1885
 Quaternary 8: 1715-1719; 8: 1730-1740
- Saint Louis County Minnesota**
 geochemistry 12: 2510-2522
- Saint-Salvy France**
 zinc ores 1: 113-123
- Sainte-Julienne-de-Montcalm Quebec**
 Quaternary 8: 1715-1719
- Salmon Glacier**
 hydrology 3: 499-508
- salt marshes**
 Nova Scotia, Quaternary 7: 1374-1384
- samarium**
 Sm-147/Nd-144, Newfoundland 3: 434-448
- sandstone**
 Ontario, geomorphology 5: 945-953
- Sangamonian**
 New Brunswick 6: 1242-1253
 Nova Scotia 6: 1242-1253
- sanidine**
 Alberta, petrology 8: 1644-1649
 Montana, paleomagnetism 9: 1981-1996
 Saskatchewan, geochronology 4: 769-775
- saprolite**
 Mali, gold ores 8: 1553-1565
- Saskatchewan** *see also* Belly River Formation; Williston Basin
 geochronology 4: 769-775
 metal ores, Athabasca District 4: 689-704; 4: 743-753
 Quaternary 6: 1224-1235
 soil mechanics 3: 420-433
 structural geology 7: 1338-1354
 uranium ores, Athabasca District 4: 651-763
 4: 653-673; 4: 674-688; 4: 705-719; 4: 720-730; 4: 731-742; 4: 754-763
- saturation magnetization**
 Venezuela, stratigraphy 12: 2380-2388
- Saurischia *see* Theropoda
Sauropoda
 China 10-11: 2082-2095
- Sauromithoides mongoliensis**
 Vertebrata 10-11: 2224-2230
- Scatarie Ridge**
 structural geology 12: 2495-2509
- schists**
 Washington, structural geology 7: 1306-1323
- schuppen texture *see* imbricate tectonics
 sea floors *see* ocean floors
 sea-floor spreading *see* continental drift; magnetic anomalies; mid-ocean ridges; spreading centers
 sea-level changes *see* changes of level
- sediment transport** *see also* marine transport
 Northwest Territories 3: 603-620
- sedimentary petrology *see* clay mineralogy; diagenesis; heavy minerals; reefs; sedimentation; sediments; weathering
sedimentary rocks *see also* coal; oil sands
 Alberta 8: 1660-1667
 bentonite
 Montana 5: 1066-1075; 9: 1981-1996
 Saskatchewan 4: 769-775
 black shale
 Canada 12: 2404-2422
 United States 12: 2404-2422
 bone beds, Montana 5: 997-1006
 boundstone, Ontario 3: 575-590
 breccia
 British Columbia 3: 631-643
 Quebec 1: 124-131
 British Columbia, petroleum carbonate rocks, Poland 5: 918-927
 chert, stratigraphy 9: 1799-1814
 China 9: 1898-1913
 8: 1660-1667
 clastic rocks
 Canada 1: 174-200
 China 10-11: 2101-2106
 United States 1: 174-200
 dolostone
 Northwest Territories 5: 1028-1036
 Quebec 9: 1881-1885
 iron formations, Northwest Territories 8: 1566-1581
 mudstone, Montana 5: 997-1006
 Northwest Territories 8: 1660-1667
 Nova Scotia, stratigraphy 5: 1091-1098
 red beds
 China 10-11: 2180-2195; 10-11: 2196-2213
 Newfoundland 3: 644-646
 sandstone, Ontario 5: 945-953
 saprolite, Mali 8: 1553-1565
 shale, Ontario 12: 2453-2464
 sylvinitic, New Brunswick 7: 1324-1331
 Yukon Territory, stratigraphy 9: 1870-1880
- sedimentary structures**
 bioherms, British Columbia 4: 819-831
 bioturbation, Ontario 12: 2453-2464
 cross-bedding, Ontario 12: 2453-2464
 cross-stratification, China 10-11: 2196-2213
 dune structures, China 10-11: 2196-2213
 flute casts, Northwest Territories 5: 928-944
 laminations
 British Columbia 9: 1815-1828
 Washington 9: 1815-1828
 rhytmite
 British Columbia 9: 1815-1828
 Washington 9: 1815-1828
 ripple marks, Ontario 12: 2453-2464
- sedimentation** *see also* basins; bioturbation; changes of level; channels; continental shelf; diagenesis; dolomitization; foreland basins; marine transport; reefs; salt marshes; sediment transport; sedimentary rocks; sediments
 Alberta, oil sands 1: 94-102
 Canada, stratigraphy 1: 174-200
 Canadian Shield, geochronology 3: 465-473

- China 10-11: 2196-2213
- detrital sedimentation, Ontario 12: 2523-2527
- faults 9: 1773-1781
- glacial sedimentation
- Canada 2: 333-353
- Ohio 6: 1236-1241
- Quaternary 4: 841-850
- Quebec 8: 1697-1707
- glaciofluvial sedimentation, Northwest Territories 5: 928-944
- glaciolacustrine sedimentation, Ontario 12: 2436-2447
- glaciomarine sedimentation
- Canada 2: 354-371
- Quebec 3: 553-574
- lacustrine sedimentation, China 10-11: 2180-2195
- pelagic sedimentation
- Atlantic Ocean 2: 391-411
- Indian Ocean 2: 391-411
- Poland 9: 1799-1814
- United States, stratigraphy 1: 174-200
- sedimentation rates**
- Atlantic Ocean, stratigraphy 2: 391-411
- Canada, Quaternary 2: 354-371
- Indian Ocean, stratigraphy 2: 391-411
- sediments** *see also* diagenesis; lithostratigraphy; peat
- clay
- British Columbia 9: 1815-1828
- Northwest Territories 8: 1708-1714; 12: 2448-2452
- Saskatchewan 3: 420-433
- Washington 9: 1815-1828
- diamicton
- British Columbia 9: 1815-1828
- Washington 9: 1815-1828
- Great Lakes, Quaternary 8: 1741-1748
- marine sediments
- Alaska 1: 103-108; 3: 519-534
- Canada 9: 1782-1798
- Northwest Territories 1: 103-108; 12: 2448-2452
- Quebec 3: 553-574; 7: 1390-1403
- Northwest Territories, Quaternary 5: 928-944
- Ontario, Quaternary 12: 2436-2447
- Quebec, natural gas 9: 1881-1885
- silt, Northwest Territories 12: 2448-2452
- till
- Canada 2: 333-353
- Northwest Territories 4: 851-866; 8: 1749-1758
- Ohio 6: 1236-1241
- Quebec 8: 1730-1740; 9: 1853-1860
- Saskatchewan 3: 420-433
- Sehoul Zone**
- structural geology 7: 1332-1337
- seismic networks**
- earthquakes 2: 372-390
- seismic profiles** *see also* Lithoprobe
- British Columbia, petroleum 5: 918-927
- Canada
- Quaternary 2: 354-371
- tectonics 3: 621-630
- Newfoundland, structural geology 12: 2495-2509
- Nova Scotia, structural geology 12: 2495-2509
- seismic stratigraphy**
- Canada, tectonics 3: 621-630
- seismic surveys** *see also* crust; Lithoprobe; seismic profiles; vertical seismic profiles
- Pacific Ocean, tectonophysics 2: 278-300
- Quebec, Quaternary 7: 1390-1403
- seismicity**
- New Brunswick, Quaternary 1: 201
- Quebec, Quaternary 1: 201
- seismology *see* crust; earthquakes; mantle; Mohorovicic discontinuity
- seismostratigraphy *see* seismic stratigraphy
- Selwyn Basin**
- stratigraphy 9: 1870-1880
- Senonian *see* Campanian; Maestrichtian
- sensing, remote *see* remote sensing
- Sept-Iles Quebec**
- Quaternary 3: 553-574
- sequence stratigraphy**
- Northwest Territories, Jurassic 2: 301-320
- Seven Isles *see* Sept-Iles Quebec
- Seward Subgroup**
- geochronology 8: 1582-1593
- Seymour River valley**
- Quaternary 4: 841-850
- Shabogamo Intrusive Suite**
- metamorphism 1: 159-173
- shale**
- Ontario 12: 2453-2464
- Shandong China**
- Vertebrata 10-11: 2139-2152
- Shannon Lake Granite**
- geochemistry 12: 2510-2522
- Shantung China *see* Shandong China
- shear zones** *see also* mylonites
- faults 9: 1773-1781
- France, zinc ores 1: 113-123
- Newfoundland, tectonics 12: 2481-2494
- Ontario, geochronology 6: 1155-1165
- Quebec, gold ores 9: 1924-1933
- sheet silicates** *see also* chlorite group; clay minerals; hydromuscovite; mica group
- Saskatchewan, uranium ores 4: 720-730
- shelf, continental *see* continental shelf
- shield volcanoes**
- British Columbia, geochemistry 1: 132-144
- Shishugou Group**
- Vertebrata 10-11: 2013-2026; 10-11: 2037-2081
- shore features *see* coastlines; marine terraces
- Siam *see* Thailand
- Sibley Group**
- non-metal deposits 9: 1955-1969
- Sidobre Massif**
- zinc ores 1: 113-123
- Sigma Mine**
- gold ores 3: 413-419
- silica minerals *see* amethyst; quartz
- silicates *see* chain silicates; framework silicates; orthosilicates; ring silicates; sheet silicates
- siliciclastics**
- Poland, sedimentation 9: 1799-1814
- sills**
- Alberta 8: 1644-1649
- Canada, geochronology 8: 1582-1593
- Newfoundland, Silurian 8: 1607-1612
- Ontario, geochemistry 6: 1123-1140
- silt**
- Northwest Territories 12: 2448-2452
- Silurian** *see also* Taconic Orogeny
- 9: 1773-1781
- Ludlovian, Northwest Territories 3: 491-498; 8: 1634-1643
- Newfoundland 3: 644-646
- 7: 1532-1546; 7: 1547-1552; 8: 1607-1612; 12: 2481-2494
- Ontario 3: 575-590
- 8: 1668-1673; 12: 2453-2464
- Pridolian, Newfoundland 4: 776-786
- Quebec 12: 2283-2294
- Wenlockian, Northwest Territories 3: 491-498
- Whirlpool Sandstone, geomorphology 5: 945-953
- Yukon Territory 9: 1870-1880
- silver ores**
- Quebec 9: 1934-1954
- Sinemurian**
- British Columbia 4: 819-831
- England 6: 1197-1204
- Sinemys**
- Vertebrata 10-11: 2139-2152
- Sinkiang Weiwu'er Zizhiqu *see* Xinjiang China
- Sino-Canadian Dinosaur Project**
- Reptilia 10-11: 1997-2272
- Sinornithoides youngi**
- Vertebrata 10-11: 2163-2173
- Sinraptor dongi**
- Vertebrata 10-11: 2037-2081
- Sioux County Iowa**
- Precambrian 6: 1275-1285
- Skagit County Washington**
- structural geology 7: 1306-1323
- Slave Province**
- gold ores 8: 1566-1581
- Slide Mountain Terrane**
- stratigraphy 9: 1898-1913
- slope stability *see* landslides
- Sm-147/Nd-144**
- Newfoundland, geochemistry 3: 434-448
- Sm/Nd**
- British Columbia, metal ores 1: 48-59
- Canada, geochronology 8: 1582-1593
- Iowa, Precambrian 6: 1275-1285
- Saskatchewan, uranium ores 4: 731-742
- Snowy Pass Supergroup**
- stratigraphy 12: 2475-2480
- soap clay *see* bentonite
- soil mechanics *see* clay; slope stability
- soils** *see also* weathering
- Arctic region, Quaternary 4: 806-813

- laterites, Mali 8: 1553-1565
- Paleosols
 British Columbia 4: 832-840
 Northwest Territories 4: 851-866
 Ontario 1: 60-76
- Quebec, Quaternary 8: 1730-1740
- Spitsbergen, Quaternary 4: 806-813
- South America** *see also* Venezuela
 stratigraphy, Guyana Shield 12: 2380-2388
- South Dakota *see* Hell Creek Formation
- South Island**
 Quaternary 9: 1861-1869
- Spanish Morocco *see* Morocco
- Spetch Creek Pluton**
 stratigraphy 5: 1037-1048
- sphalerite**
 Northwest Territories, lead-zinc deposits 5: 1028-1036
- sphene *see* titanite
- Spitsbergen**
 Quaternary, Brogger Peninsula 4: 806-813
- Spitsbergen Island *see* Brogger Peninsula
- spontaneous fission-track dating *see* fission-track dating
- spreading centers**
 tectonophysics 5: 893-907
- spreading-floor hypothesis *see* sea-floor spreading
- Sr *see* strontium
- Sr-87/Sr-86**
 Alaska
 geochemistry 5: 975-984
 Quaternary 3: 519-534
 British Columbia, geochemistry 1: 132-144; 5: 1076-1090
 Labrador, geochemistry 6: 1141-1146
 Newfoundland, geochemistry 6: 1141-1146
 Nova Scotia, geochemistry 3: 449-464
 Saskatchewan, uranium ores 4: 731-742
- Sr/Rb *see* Rb/Sr
- St. Lawrence Lowlands *see* Saint Lawrence Lowlands
- stable isotopes *see* C-13/C-12; D/H; deuterium; Nd-144/Nd-143; O-18; O-18/O-16; Pb-207/Pb-204; Pb-207/Pb-206; Pb-208/Pb-206; S-34/S-32; Sm-147/Nd-144
- Stegosauridae**
 Vertebrata 10-11: 2174-2176
- stratigraphic boundary** *see also* K-T boundary
 Northwest Territories, stratigraphy 3: 491-498
 Saskatchewan, geochronology 4: 769-775
 Yukon Territory, stratigraphy 9: 1870-1880
- stratigraphy *see* Archean; Cambrian; Carboniferous; coprolites; Cretaceous; Devonian; Eocene; Holocene; Jurassic; Mesozoic; Ordovician; Paleocene; paleomagnetism; Paleozoic; palynomorphs; Pennsylvanian; Permian; Pleistocene; Pliocene; Precambrian; Proterozoic; Quaternary; Silurian; Tertiary; Triassic
- stream flow *see* streamflow
- stream gradient**
 Alberta, Quaternary 9: 1846-1852
- streamflow**
 Ontario, geomorphology 5: 945-953
- streams *see* channels
- strike-slip faults** *see also* transcurrent faults; transform faults
 British Columbia 3: 631-643
 geophysical surveys 7: 1427-1439
 Ontario, non-metal deposits 9: 1955-1969
 Quebec 3: 591-602
- stromatoporoids**
 Canada, stratigraphy 12: 2465-2474
 United States, stratigraphy 12: 2465-2474
- strontium**
 Sr-87/Sr-86
 Alaska 3: 519-534; 5: 975-984
 British Columbia 1: 132-144; 5: 1076-1090
 Labrador 6: 1141-1146
 Newfoundland 6: 1141-1146
 Nova Scotia 3: 449-464
 Saskatchewan 4: 731-742
 Yukon Territory, stratigraphy 9: 1870-1880
- structural analysis** *see also* cleavage; deformation; faults; folds; foliation; lineation; petrofabrics; preferred orientation; shear zones; transpression
 Newfoundland 7: 1547-1552
- structural basins *see* basins
- structural geology *see* deformation; faults; folds; foliation; geosynclines; isostasy; lineation; orogeny; tectonics
- structural traps**
 British Columbia, petroleum 5: 918-927
- subduction**
 British Columbia, metal ores 1: 48-59
 Quebec, geochemistry 6: 1110-1122
 tectonophysics 5: 893-907; 5: 908-912
- subduction zones**
 Newfoundland, geochemistry 3: 434-448
- sudite**
 Saskatchewan, metal ores 4: 689-704
- sulfates *see* gypsum
- sulfides** *see also* galena; sphalerite
 British Columbia 1: 48-59
 Manitoba, hydrology 6: 1099-1109
 Quebec, metal ores 9: 1934-1954
- sulfur**
 S-34/S-32, Ontario 9: 1955-1969
- sulphides *see* sulfides
- Sulphur Mountain Formation**
 Vertebrata 3: 486-490
- Summit Lake**
 hydrology 3: 499-508
- superimposed metamorphism *see* poly-metamorphism
- Superior Province** *see also* Abitibi Belt; Wawa Belt
 Archean 6: 1179-1196
 metal ores 12: 2366-2379
 Precambrian 6: 1275-1285
 Proterozoic 6: 1286-1296
- surficial geology**
 Canada, geomorphology 2: 232-242
- survey organizations**
 Geological Survey of Canada 2: 203-708; 2: 203-411
 Canada 2: 232-242
 2: 243-260; 2: 321-332;
 2: 333-353
 2: 372-390
- earthquakes
 surveys *see* geophysical surveys
- suspect terranes *see* terranes
- Sussex New Brunswick**
 tectonics 7: 1324-1331
- Svalbard *see* Spitsbergen
- Sverdrup Basin**
 Jurassic 2: 301-320
- Swietly Krzyz Mountains**
 sedimentation 9: 1799-1814
- Swift Current Plateau**
 Vertebrata 8: 1613-1617
- syenites**
 Ontario, geochemistry 1: 145-158
- Sylvester Allochthon**
 stratigraphy 9: 1898-1913
 structural geology 3: 631-643
- sylvinite**
 New Brunswick, tectonics 7: 1324-1331
- symmington *see* diamicton
- Taconic Orogeny**
 Newfoundland, orogeny 9: 1759-1772
- talus fan *see* alluvial fans
- tar sands *see* oil sands
- Tarn France *see* Sidobre Massif
- tear faults**
 Northwest Territories 3: 603-620
- Tebch China**
 palynomorphs 10-11: 2101-2106
- tektites *see* tektites
- tectogenesis *see* orogeny
- tectonic imbrication *see* imbricate tectonics
- tectonic lines *see* lineaments
- tectonics** *see also* basins; crust; decollement; deformation; faults; folds; foliation; geosynclines; lineaments; lineation; nappes; ophiolite complexes; orogenic belts; orogeny; plate tectonics; shear zones; structural analysis; terranes; transpression; uplifts
 Alberta 1: 77-93
 British Columbia 1: 77-93
 Canada, stratigraphy 1: 174-200
 compression tectonics, Morocco 5: 1049-1055
 extension tectonics, Minnesota 5: 913-917
 imbricate tectonics
 British Columbia 3: 631-643
 Ontario 6: 1155-1165
 Quebec 3: 591-602
 Iowa, Precambrian 6: 1275-1285
 New Brunswick 7: 1324-1331
 Newfoundland, Devonian 12: 2328-2333
 Nova Scotia, geochemistry 3: 449-464; 6: 1147-1154
 Ontario 3: 647-650
 Quebec, Archean 9: 1970-1980
 United States, stratigraphy 1: 174-200
- tectonophysics *see* continental drift; crust; heat flow; isostasy; mantle; Mohorovicic

- discontinuity; paleomagnetism; plate tectonics; sea-floor spreading
 tectonostratigraphic terranes *see* terranes
- tektites**
 Alberta, sedimentary rocks 8: 1660-1667
 China, sedimentary rocks 8: 1660-1667
 Northwest Territories, sedimentary rocks 8: 1660-1667
- Telkwa Range**
 stratigraphy 4: 819-831
- temperature logging**
 Morocco, petroleum 5: 1049-1055
- temperature surveys *see* heat flow
- tephrochronology**
 Montana, Quaternary 3: 535-552
 Washington, Quaternary 3: 535-552
- terrane** *see also* greenstone belts
 British Columbia
 faults 5: 1014-1027
 structural geology 3: 631-643; 12: 2389-2403
 Canada, structural geology 2: 209-231
 Canadian Shield, geochronology 3: 465-473
 Labrador, Proterozoic 12: 2315-2327
 Newfoundland
 Proterozoic 12: 2315-2327
 structural analysis 7: 1547-1552
 structural geology 12: 2495-2509
 Northwest Territories, petrology 4: 867-880
 Nova Scotia
 geochemistry 12: 2295-2304
 Proterozoic 1: 1-10; 3: 474-479
 structural geology 12: 2495-2509
 Ontario, Proterozoic 12: 2523-2527
 stratigraphy 9: 1898-1913
 Washington, structural geology 7: 1306-1323
- Tertiary** *see also* Neogene; Paleogene
 British Columbia 1: 132-144
 5: 918-927; 6: 1262-1274
- Testudinoidea**
 Vertebrata 10-11: 2013-2026
 10-11: 2128-2138; 10-11: 2139-2152; 10-11: 2214-2223
- Tethys**
 British Columbia, stratigraphy 4: 819-831
- Teton County Montana**
 geochronology 5: 1066-1075
 Vertebrata 5: 997-1006
- Tetracorallia** *see* Rugosa
- Tetrapoda** *see also* Amphibia; Aves;
 Mammalia; Reptilia
 Ceratopsidae, China 10-11: 2248-2254
 dinosaurs
 China 10-11: 1997-2001
 10-11: 1997-2272; 10-11: 2002-2012; 10-11: 2180-2195; 10-11: 2196-2213
 Montana 5: 1066-1075
 Hadrosauridae, Montana 5: 997-1006
 Ornithischia
 China 10-11: 2101-2106
 10-11: 2163-2173; 10-11: 2174-2176
 10-11: 2096-2100
 10-11: 2082-2095
 Far East
 Sauropoda, China
 Theropoda
 Alberta 10-11: 2231-2247; 10-11: 2255-2272
 China 10-11: 2027-2036
 10-11: 2037-2081; 10-11: 2107-2127; 10-11: 2224-2230
 South Dakota 10-11: 2255-2272
 Uzbekistan 10-11: 2255-2272
 tetrapods *see* birds; mammals; reptiles
- Th/U**
 Quebec, Quaternary 8: 1730-1740
- Thailand**
 Vertebrata 10-11: 2096-2100
- The Himalaya *see* Himalayas
- Thecamoeba**
 Quebec, Quaternary 8: 1715-1719
- Theria *see* Eutheria
- thermal remanent magnetization *see* thermoremanent magnetization
- thermal surveys *see* heat flow
- thermoluminescence**
 British Columbia, Quaternary 9: 1815-1828
 Quaternary 4: 841-850
 Quebec, Quaternary 8: 1730-1740
 Washington, Quaternary 9: 1815-1828
- thermoremanent magnetization**
 Arizona, stratigraphy 7: 1415-1426
 Michigan, petrology 7: 1404-1414
- Theropoda**
 Alberta 10-11: 2231-2247; 10-11: 2255-2272
 10-11: 2027-2036
 10-11: 2037-2081; 10-11: 2107-2127; 10-11: 2224-2230
 South Dakota 10-11: 2255-2272
 Uzbekistan 10-11: 2255-2272
- tholeiite**
 Ontario, Proterozoic 6: 1286-1296
 Quebec, Proterozoic 6: 1286-1296
- tholeiitic basalt**
 Canada, geochronology 8: 1582-1593
 Labrador, geochemistry 6: 1141-1146
 Newfoundland, geochemistry 6: 1141-1146
- thorium-uranium *see* Th/U
- thrust faults** *see also* foreland basins; imbricate tectonics; reverse faults
 Morocco 7: 1332-1337
 Newfoundland 7: 1547-1552
 Ontario 3: 647-650
 Quebec, geochronology 5: 1056-1065
 Saskatchewan, Quaternary 6: 1224-1235
- thrust sheets**
 Northwest Territories, petrology 4: 867-880
- thrusts and thrusting *see* thrust faults
- Thunder Bay amethyst mine**
 non-metal deposits 9: 1955-1969
- Thunder Bay District Ontario**
 non-metal deposits 9: 1955-1969
- Tibet China *see* Xizang China
- till** *see also* drumlins; glacial transport
 Canada, Quaternary 2: 333-353
 Northwest Territories, Quaternary 4: 851-866; 8: 1749-1758
 Ohio, Quaternary 6: 1236-1241
 Quebec, Quaternary 8: 1730-1740; 9: 1853-1860
 Saskatchewan, soil mechanics 3: 420-433
- Timiskaming District Ontario *see* Kirkland Lake Ontario
- titanite**
 Alberta, petrology 8: 1644-1649
 Canadian Shield, Archean 1: 42-47
 Ontario
 Archean 6: 1179-1196
 geochronology 6: 1155-1165
 Quebec, Archean 1: 11-28; 9: 1970-1980
- tonalite gneiss**
 Canadian Shield, Archean 1: 42-47
- Torngat Orogeny**
 Proterozoic 7: 1470-1489
- tourmaline**
 Quebec, gold ores 12: 2334-2351
- Tournaisian**
 Canada 12: 2404-2422
 United States 12: 2404-2422
- trachytes**
 British Columbia, geochemistry 1: 132-144
- tracks**
 stratigraphy 6: 1205-1208
- Trans-Hudsonian Orogeny *see* Hudsonian Orogeny
- transcurrent faults**
 Quebec 7: 1363-1373
- transform faults**
 British Columbia tectonophysics 6: 1262-1274
 4: 787-805
- transgression**
 Alberta, oil sands 1: 94-102
 Northwest Territories, Jurassic 2: 301-320
 Ontario
 sedimentary petrology 12: 2453-2464
 Silurian 3: 575-590
- transpression**
 Labrador, Proterozoic 7: 1470-1489
 Minnesota, geochemistry 12: 2510-2522
 Newfoundland
 gold ores 7: 1532-1546
 Proterozoic 7: 1470-1489
 Quebec
 geochemistry 12: 2283-2294
 structural geology 7: 1363-1373
- traps *see* structural traps
- Tree Deposit**
 gold ores 8: 1566-1581
- Triassic**
 British Columbia 3: 486-490
 New Brunswick 7: 1324-1331
- Tribes Hill Formation**
 Trilobita 8: 1618-1633
- Trilobita**
 New York 8: 1618-1633
 Proetidae, Northwest Territories 8: 1634-1643

- trilobites**
 New York, Trilobita 8: 1618-1633
 Yukon Territory, stratigraphy 9: 1870-1880
 Trilobitomorpha *see* Trilobita
- Trionychidae**
 Vertebrata 10-11: 2214-2223
- TRM** *see* thermoremanent magnetization
- Trois Rivières Quebec**
 natural gas 9: 1881-1885
- Troodontidae**
 Vertebrata 10-11: 2163-2173
 10-11: 2224-2230; 10-11: 2231-2247
- tuff *see* volcanoclastics
- Tuktoyaktuk Peninsula**
 Quaternary 1: 103-108
- Tullock Member**
 9: 1981-1996
- Turonian**
 Alberta 10-11: 2255-2272
 South Dakota 10-11: 2255-2272
 Uzbekistan 10-11: 2255-2272
- Twenty Mile Creek**
 geomorphology 5: 945-953
- Twisp Valley Schist**
 structural geology 7: 1306-1323
- Two Medicine Formation**
 Vertebrata 5: 1066-1075
 5: 997-1006
- two-mica granite**
 British Columbia, geochemistry 5: 1076-1090
- U-238/U-234**
 Saskatchewan, uranium ores 4: 754-763
- U/Pb** *see also* Pb/Pb
 British Columbia, geochronology 12: 2305-2314
 Canadian Shield
 Archean 1: 42-47
 geochronology 3: 465-473
 Iowa, Precambrian 6: 1275-1285
 Labrador, Proterozoic 7: 1458-1469; 7: 1470-1489
 Minnesota, geochemistry 12: 2510-2522
 Newfoundland
 Devonian 12: 2328-2333
 Proterozoic 7: 1458-1469; 7: 1470-1489
 Silurian 8: 1607-1612
 Nova Scotia, Proterozoic 1: 1-10; 3: 474-479
 Ontario
 Archean 1: 29-41; 6: 1179-1196
 geochronology 6: 1155-1165
 Proterozoic 6: 1286-1296
 Proterozoic 7: 1490-1504
 Quebec
 Archean 1: 11-28
 1: 29-41; 9: 1970-1980
 geochronology 5: 1056-1065
 Proterozoic 6: 1286-1296; 7: 1453-1457
 Saskatchewan, geochronology 4: 769-775
- U/Th** *see* Th/U
- Uairen Formation**
 stratigraphy 12: 2380-2388
- Uchi Subprovince**
 Archean 6: 1179-1196
- ultramafics *see* chromitite; peridotites
- unconformity-type**
 Saskatchewan
 metal ores 4: 743-753
 uranium ores 4: 705-719; 4: 720-730
 underground water *see* ground water
- Ungava**
 geochemistry 7: 1505-1520
 geochronology 8: 1582-1593
 petrology 12: 2423-2435
 Quaternary 8: 1676-1696
- United Kingdom *see* Great Britain
- United States** *see also* Alaska; Arizona; Georgia; Idaho; Iowa; Michigan; Minnesota; Montana; New York; Ohio; South Dakota; Washington; Wyoming
 structural geology, Cascade Range 7: 1306-1323
- uplifts**
 Canada
 Quaternary 8: 1676-1696
 tectonics 3: 621-630
 Northwest Territories
 petrology 4: 867-880
 structural geology 3: 603-620
 Quebec, Quaternary 3: 553-574
 Upper Cretaceous *see* Belly River Formation; Djadokhta Formation; Elkhorn Mountains Volcanics; Hell Creek Formation; Judith River Formation; K-T boundary; Oldman Formation; Senonian; Turonian; Two Medicine Formation
 Upper Devonian *see* Famennian; Palliser Formation
 upper Pleistocene *see* Sangamonian; Wisconsinan
 upper Precambrian *see* Proterozoic
 Upper Silurian *see* Ludlovian; Pridolian
 uraninite *see* uranium ores
- uranium**
 U-238/U-234, Saskatchewan 4: 754-763
- uranium disequilibrium**
 Quebec, Quaternary 8: 1730-1740
- uranium minerals**
 Saskatchewan, uranium ores 4: 705-719
- uranium ores** *see also* unconformity-type
 Labrador 12: 2352-2365
 Newfoundland 12: 2352-2365
 Saskatchewan 4: 651-763
 4: 653-673; 4: 674-688; 4: 731-742; 4: 754-763
- uranium-lead *see* U/Pb
- uranium-series method *see* uranium disequilibrium
- uranium-thorium *see* Th/U
- Utatsusaurus**
 Vertebrata 3: 486-490
- Uzbekistan**
 Vertebrata 10-11: 2214-2223; 10-11: 2255-2272
- Val d'Or Quebec**
 gold ores 3: 413-419
 9: 1924-1933; 12: 2334-2351
- Valhalla Complex**
 geochronology 12: 2305-2314
- valleys *see also* gorges
 Alberta, Quaternary 9: 1846-1852
 Quaternary 4: 841-850
- Vancouver Island**
 Quaternary 4: 832-840
- Vargas Island**
 Quaternary 4: 832-840
- veins *see* quartz veins
- Venezuela *see* Roraima Formation
- vertebrae**
 China, Vertebrata 10-11: 2027-2036
 10-11: 2037-2081; 10-11: 2082-2095; 10-11: 2128-2138; 10-11: 2174-2176
- Vertebrata *see* Tetrapoda
- vertebrates *see* tetrapods
- vertical seismic profiles**
 British Columbia, structural geology 12: 2389-2403
- Victoria Island**
 Quaternary 5: 928-944
- Victors Brook Newfoundland**
 orogeny 9: 1759-1772
- viscous remanent magnetization**
 Michigan, petrology 7: 1404-1414
- volcanic arcs *see* island arcs
- volcanic belts**
 British Columbia, geochemistry 1: 132-144
- volcanic clay *see* bentonite
- volcanic rocks** *see also* andesites; basalts; granophyre; phonolites; pyroclastics; rhyolites; trachytes
 Newfoundland, stratigraphy 3: 644-646
 volcanicity *see* volcanism
- volcanoclastics**
 Montana
 geochronology 5: 1066-1075
 Quaternary 3: 535-552
 Nova Scotia, geochemistry 6: 1147-1154; 12: 2273-2282
 Washington, Quaternary 3: 535-552
- volcanics *see* volcanic rocks
- volcanism** *see also* eruptions; lava; shield volcanoes
 Nova Scotia, Proterozoic 1: 1-10
 Ontario, Archean 1: 29-41; 6: 1179-1196
 Quebec
 Archean 1: 11-28; 1: 29-41
 geochemistry 12: 2283-2294
- volcanoes *see* shield volcanoes
- walrus**
 Quebec, Quaternary 8: 1715-1719
- wandering, polar *see* polar wandering
- Washington**
 Quaternary 3: 535-552
 Island County Washington 9: 1815-1828
 Jefferson County Washington 9: 1815-1828
 King County Washington 9: 1815-1828
 Whatcom County Washington 9: 1815-1828
 structural geology
 Chelan County Washington 7: 1306-1323
 Okanogan County Washington 7: 1306-1323
 Skagit County Washington 7: 1306-1323

- waste disposal**
Saskatchewan, metal ores 4: 689-704
- water falls** *see* waterfalls
- Waterbury Lake Deposit**
uranium ores 4: 651-763
- waterfalls**
Ontario 5: 945-953
- Wawa Belt**
geochemistry 12: 2510-2522
petrology 5: 985-996
- weathering** *see also* weathering rinds
Ontario, geochemistry 1: 60-76
Quebec, Quaternary 9: 1853-1860
- weathering rinds**
New Zealand, Quaternary 9: 1861-1869
wedges, ice *see* ice wedges
- Weekend Dikes**
geochemistry 12: 2295-2304
Wegener hypothesis *see* continental drift
- well-logging**
Canada, stratigraphy 1: 174-200
geophysical surveys 3: 480-485
temperature logging, Morocco 5: 1049-1055
United States, stratigraphy 1: 174-200
- Wenlockian**
Northwest Territories 3: 491-498
West Africa *see* Mali
West Pacific *see* Bering Sea
Western Canada *see* Alberta; British Columbia; Canadian Cordillera; Canadian Rocky Mountains; Manitoba; Northwest Territories; Saskatchewan; Yukon Territory
Western Europe *see* United Kingdom
- Western Interior**
paleomagnetism 9: 1981-1996
- Whatcom County Washington**
Quaternary 9: 1815-1828
- Whirlpool Sandstone**
geomorphology 5: 945-953
white mica *see* muscovite
- Wigwam Formation**
stratigraphy 3: 644-646
- Willbob Formation**
geochronology 8: 1582-1593
- Williston Basin**
tectonics 3: 621-630
- Windsor Subbasin**
stratigraphy 5: 1091-1098
wireline logging *see* well-logging
- Wisconsinan**
Canada 8: 1676-1696
- Wollaston Group**
uranium ores 4: 653-673
- Wolverine Complex**
structural geology 6: 1262-1274
- Wrangellia**
British Columbia, faults 5: 1014-1027
- Wucailwan Formation**
Vertebrata 10-11: 2027-2036
- Wuerhosaurus ordosensis**
Vertebrata 10-11: 2174-2176
- Wyoming**
stratigraphy 12: 2475-2480
- xenoliths**
Quebec 1: 124-131
- xenotime**
Quebec, geochronology 5: 1056-1065
- Xinjiang China**
Reptilia 10-11: 1997-2001
Vertebrata, Junggar Basin 10-11: 2013-2026
10-11: 2027-2036; 10-11: 2037-2081; 10-11: 2082-2095
- Xinjiangchelys**
Vertebrata 10-11: 2013-2026
- Yarlung Zangbo suture zone** *see* Indus-Yarlung Zangbo suture zone
- Younginiformes** *see* Eosuchia
- Yukon Territory**
stratigraphy, Selwyn Basin 9: 1870-1880
- zeolite group** *see* analcime
- zinc blende** *see* sphalerite
- zinc ores**
British Columbia 1: 48-59
France 1: 113-123
Quebec 9: 1934-1954
- zircon**
Alaska, gold ores 4: 764-768
British Columbia, geochronology 12: 2305-2314
Canada, geochronology 8: 1582-1593
Canadian Shield
Archean 1: 42-47
geochronology 3: 465-473
Iowa, Precambrian 6: 1275-1285
Labrador, Proterozoic 7: 1458-1469; 7: 1470-1489
Minnesota, geochemistry 12: 2510-2522
Newfoundland, Proterozoic 7: 1458-1469; 7: 1470-1489
Nova Scotia, Proterozoic 1: 1-10; 3: 474-479
Ontario
Archean 1: 29-41; 6: 1179-1196
geochronology 6: 1155-1165
Proterozoic 6: 1286-1296; 12: 2523-2527
Proterozoic 7: 1490-1504
Quebec
Archean 1: 11-28
1: 29-41; 9: 1970-1980
12: 2334-2351
gold ores 12: 2334-2351
Proterozoic 6: 1286-1296; 7: 1453-1457
Saskatchewan, geochronology 4: 769-775

